

GenCore version 5.1.4.P5_4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:18 ; Search time 16 Seconds
(without alignments)
38.983 Million cell updates/sec

Title: US-09-580-156D-42

Perfect score: 20

Sequence: 1 VVPQ 4

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 705215

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	20	100.0	4	US-09-580-893C-42	Sequence 42, Appl
3	20	100.0	4	US-09-580-893C-43	Sequence 43, Appl
4	20	100.0	4	US-09-580-893D-17	Sequence 17, Appl
5	20	100.0	4	US-09-580-893D-42	Sequence 42, Appl
6	20	100.0	4	US-09-580-893D-43	Sequence 43, Appl
7	20	100.0	4	US-09-580-893D-44	Sequence 44, Appl
8	20	100.0	4	US-09-580-110E-17	Sequence 17, Appl
9	20	100.0	4	US-09-580-110E-43	Sequence 43, Appl
10	20	100.0	4	US-09-580-110E-44	Sequence 44, Appl
11	20	100.0	4	US-09-580-110E-45	Sequence 45, Appl
12	20	100.0	4	US-09-580-893C-45	Sequence 45, Appl
13	20	100.0	4	US-09-580-893C-46	Sequence 46, Appl
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17	20	100.0	4	US-09-580-893C-50	Sequence 50, Appl
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26	20	100.0	4	US-09-580-893C-59	Sequence 59, Appl

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31	20	100.0	6	US-09-580-110E-44	Sequence 44, Appl
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33	20	100.0	6	US-09-580-110E-46	Sequence 46, Appl
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42	20	100.0	6	US-09-580-893C-51	Sequence 51, Appl
43	20	100.0	6	US-09-580-893C-52	Sequence 52, Appl
44	20	100.0	6	US-09-580-893C-53	Sequence 53, Appl
45	20	100.0	6	US-09-580-893C-54	Sequence 54, Appl

ALIGNMENTS

RESULT 1
US-09-580-893C-17
Sequence 17, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT FILING DATE: 2002-10-08
CURRENT APPLICATION NUMBER: US/09/580, 893C
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 17
LENGTH: 4
TYPE: PRT
ORGANISM: mammalian
US-09-580-893C-17

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 VVPQ 4
1 VVPQ 4

RESULT 2
US-09-580-893C-42
Sequence 42, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT FILING DATE: 2002-10-08
CURRENT APPLICATION NUMBER: US/09/580, 893C
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 42
LENGTH: 4
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: MOD_RES

LOCATION: (1)
OTHER INFORMATION: ACETYLATION
US-09-580-893C-42

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4
DB 1 VVPO 4

RESULT 3
US-09-580-893C-43
Sequence 43, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 43
LENGTH: 4
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: ACETYLATION
US-09-580-893C-43

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4
DB 1 VVPO 4

RESULT 4
US-09-580-893D-17
Sequence 17, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 17
LENGTH: 4
TYPE: PRT
ORGANISM: mammalian
US-09-580-893D-17

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4
DB 1 VVPO 4

RESULT 5
US-09-580-893D-42
Sequence 42, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 42
LENGTH: 4
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: ACETYLATION
US-09-580-893D-42

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4
DB 1 VVPO 4

RESULT 6
US-09-580-893D-43
Sequence 43, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 43
LENGTH: 4
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: ACETYLATION
US-09-580-893D-43

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4
DB 1 VVPO 4

RESULT 7
US-09-580-110E-17
Sequence 17, Application US/09580110E

GENERAL INFORMATION:
APPLICANT: Mits, Thomas F.
APPLICANT: Sandberg, Lawrence B.
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
FILE REFERENCE: 25812-13
CURRENT APPLICATION NUMBER: US/09/580,110E
CURRENT FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.1
SEQ ID NO 17
LENGTH: 4
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-17

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4
Db 1 VVPQ 4

RESULT 8
US-09-580-110E-43
Sequence 43, Application US/09580110E
GENERAL INFORMATION:
APPLICANT: Mits, Thomas F.
APPLICANT: Sandberg, Lawrence B.
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
FILE REFERENCE: 25812-13
CURRENT APPLICATION NUMBER: US/09/580,110E
CURRENT FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.1
SEQ ID NO 43
LENGTH: 4
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
NAME/KEY: MOD RES
LOCATION: (1)-(1)
OTHER INFORMATION: ACETYLTATION
US-09-580-110E-43

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4
Db 1 VVPQ 4

RESULT 9
US-09-580-156D-17
Sequence 17, Application US/09580156D
GENERAL INFORMATION:
APPLICANT: Lawrence, Sandberg B.
APPLICANT: Thomas, Mits F.
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
FILE REFERENCE: 25812-5C1P
CURRENT APPLICATION NUMBER: US/09/580,156D
CURRENT FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 308
SOFTWARE: PatentIn version 3.1
SEQ ID NO 13

PRIOR APPLICATION NUMBER: PCT/US99/05496
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn version 3.1
SEQ ID NO 17
LENGTH: 4
TYPE: PRT
ORGANISM: mammalian
US-09-580-156D-17

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4
Db 1 VVPQ 4

RESULT 10
US-09-580-156D-42
Sequence 42, Application US/09580156D
GENERAL INFORMATION:
APPLICANT: Lawrence, Sandberg B.
APPLICANT: Thomas, Mits F.
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
FILE REFERENCE: 25812-5C1P
CURRENT APPLICATION NUMBER: US/09/580,156D
CURRENT FILING DATE: 2000-05-30
PRIOR APPLICATION NUMBER: 09/039,308
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: PCT/US99/05496
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn version 3.1
SEQ ID NO 42
LENGTH: 4
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
NAME/KEY: MOD RES
LOCATION: (1)-(1)
OTHER INFORMATION: ACETYLTATION
US-09-580-156D-42

Query Match 100.0%; Score 20; DB 5; Length 4;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4
Db 1 VVPQ 4

RESULT 11
US-09-580-156D-43
Sequence 43, Application US/09580156D
GENERAL INFORMATION:
APPLICANT: Lawrence, Sandberg B.
APPLICANT: Thomas, Mits F.
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
FILE REFERENCE: 25812-5C1P
CURRENT APPLICATION NUMBER: US/09/580,156D
CURRENT FILING DATE: 2000-05-30
PRIOR APPLICATION NUMBER: 09/039,308
PRIOR FILING DATE: 1998-03-13
PRIOR APPLICATION NUMBER: PCT/US99/05496
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn version 3.1
SEQ ID NO 43

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LENGTH: 4
TYPE: PRT
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
NAME/KEY: MOD_RES
LOCATION: (1)..(1)
OTHER INFORMATION: ACETYLATION
US-09-580-156D-43
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 4;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 VVPQ 4
Db 1 VVPQ 4
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RESULT 12
US-09-580-893C-45
Sequence 45, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 45
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: PEPTIDE
LOCATION: (1)..(5)
US-09-580-893C-45
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 5;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 VVPQ 4
Db 2 VVPQ 5
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RESULT 13
US-09-580-893C-47
Sequence 47, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 47
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
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NAME/KEY: MOD_RES
LOCATION: (5)_
OTHER INFORMATION: AMIDATION
US-09-580-893C-47
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 5;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 VVPQ 4
Db 2 VVPQ 5
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RESULT 14
US-09-580-893D-45
Sequence 45, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 45
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: PEPTIDE
LOCATION: (1)..(5)
US-09-580-893D-45
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 5;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 VVPQ 4
Db 2 VVPQ 5
```

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RESULT 15
US-09-580-893D-47
Sequence 47, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 47
LENGTH: 5
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: MOD_RES
LOCATION: (5)_
OTHER INFORMATION: AMIDATION
US-09-580-893D-47
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Query Match
Best Local Similarity 100.0%; Score 20; DB 5; Length 5;
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Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVPQ 4
Db 2 VVPQ 5

Search completed: April 16, 2003, 09:50:47
Job time : 16 secs

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GenCore version 5.1.4.p5.4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:56 ; Search time 8 Seconds
(without alignments)
37.807 Million cell updates/sec

Title: US-09-580-156D-42

Perfect score: 20

Sequence: 1 VVPQ 4

Scoring table: BLOSUM62
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Total number of hits satisfying chosen parameters: 288829

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Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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8	20	100.0	65	10	US-09-867-550-118
9	20	100.0	69	9	US-09-884-456-74
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11	20	100.0	111	9	US-09-925-299-779
12	20	100.0	111	10	US-09-864-761-38949
13	20	100.0	138	9	US-10-004-717-50
14	20	100.0	138	9	US-10-004-717-52
15	20	100.0	145	9	US-10-092-154-555
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24	20	100.0	162	10	US-09-864-761-39071	Sequence 39071, A
25	20	100.0	162	10	US-09-747-155-185	Sequence 185, App
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33	20	100.0	169	9	US-09-906-742-18	Sequence 18, Appl
34	20	100.0	169	9	US-09-906-838-18	Sequence 18, Appl
35	20	100.0	169	9	US-09-907-613-18	Sequence 18, Appl
36	20	100.0	169	9	US-09-907-942-18	Sequence 18, Appl
37	20	100.0	169	9	US-09-904-820-18	Sequence 18, Appl
38	20	100.0	169	9	US-09-904-859-18	Sequence 18, Appl
39	20	100.0	169	9	US-09-909-204-18	Sequence 18, Appl
40	20	100.0	169	9	US-09-904-786-18	Sequence 18, Appl
41	20	100.0	169	9	US-09-906-646-18	Sequence 18, Appl
42	20	100.0	169	9	US-09-906-700-18	Sequence 18, Appl
43	20	100.0	169	9	US-09-902-903-18	Sequence 18, Appl
44	20	100.0	169	9	US-09-903-749A-18	Sequence 18, Appl
45	20	100.0	169	9	US-09-903-786-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1

US-09-826-290-7
Sequence 7, Application US/09826290

Patent No. US2002016468A1

GENERAL INFORMATION:

APPLICANT: Durham, L. Kathryn

APPLICANT: Friedmann, David L.

APPLICANT: Herath, Herath Mudiyanseelaje Athula Chandrasiri

APPLICANT: Kimmel, Lida H.

APPLICANT: Parekh, Rajesh Bhikhu

APPLICANT: Potter, David M.

APPLICANT: Rohlf, Christian

APPLICANT: Silber, B. Michael

APPLICANT: Stiger, Thomas R.

APPLICANT: Sunderland, P. Trey

APPLICANT: Townsend, Robert Reid

APPLICANT: White, Frost

APPLICANT: Williams, Stephen A.

TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and

TITLE OF INVENTION: Uses Thereof, Including Diagnosis and Treatment of

FILE REFERENCE: 2572-1-001 N2

CURRENT APPLICATION NUMBER: US/09/826,290

PRIOR APPLICATION NUMBER: US 60/194,504

PRIOR FILING DATE: 2000-04-03

PRIOR APPLICATION NUMBER: US 60/253,647

PRIOR FILING DATE: 2000-11-28

NUMBER OF SEQ ID NOS: 492

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 7

LENGTH: 15

TYPE: PRT

ORGANISM: homo sapien

US-09-826-290-7

Query Match

Best Local Similarity 100.0%; Score 20; DB 9; Length 15;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 VVPQ 4

||||

Db 8 VWPQ 11

RESULT 2

US-09-992-331-24
Sequence 24, Application US/09992331
Publication No. US20030022186A1

GENERAL INFORMATION:

APPLICANT: FEDER, JOHN N.
APPLICANT: MINTIER, GABE
APPLICANT: RAMANATHAN, CHANDRA S.

APPLICANT: HAWKEN, DONALD R.
TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGRPMW18,
TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA

FILE REFERENCE: D0048NP

CURRENT APPLICATION NUMBER: US/09/992,331

PRIOR APPLICATION NUMBER: 60/308,540

PRIOR FILING DATE: 2001-07-27

PRIOR APPLICATION NUMBER: 60/261,782

PRIOR FILING DATE: 2001-01-16

PRIOR APPLICATION NUMBER: 60/248,483

PRIOR FILING DATE: 2000-11-14

NUMBER OF SEQ ID NOS: 45

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 24

LENGTH: 31

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthesized

US-09-992-331-24

Query Match

Best Local Similarity 100.0%; Score 20; DB 9; Length 31;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 2 VWPQ 5

RESULT 3

US-09-864-761-34467
Sequence 34467, Application US/09864761
Patent No. US20020048763A1

GENERAL INFORMATION:

APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aecm1ca-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366

PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263,6

PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408

PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 09/774,203

PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID NOS: 49117

SOFTWARE: Anomax Sequence Listing Engine vers. 1.1

SEQ ID NO 34467

LENGTH: 38

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AC007179.3

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.91

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN PETAL LIVER, SIGNAL = 0.79

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.79

OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.6

OTHER INFORMATION: EST_HUMAN HIT: Z40902.1, EVALUATE 3.20e+00

US-09-864-761-34467

Query Match

Best Local Similarity 100.0%; Score 20; DB 10; Length 38;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 25 VWPQ 28

RESULT 4

US-09-796-692-867

Sequence 867, Application US/09796692

Publication No. US20020198362A1

GENERAL INFORMATION:

APPLICANT: Algaier, Alexander

APPLICANT: Mannion, Jane

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY

TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES

FILE REFERENCE: 2077.001200

CURRENT APPLICATION NUMBER: US/09/796,692

PRIOR APPLICATION NUMBER: 60/186,126

PRIOR FILING DATE: 2000-03-01

PRIOR APPLICATION NUMBER: 60/190,479

PRIOR FILING DATE: 2000-03-17

PRIOR APPLICATION NUMBER: 60/200,545

PRIOR FILING DATE: 2000-04-27

PRIOR APPLICATION NUMBER: 60/200,303

PRIOR FILING DATE: 2000-04-28

PRIOR APPLICATION NUMBER: 60/200,779


```
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,999
;; PRIOR FILING DATE: 2000-05-01
;; PRIOR APPLICATION NUMBER: 60/202,084
;; PRIOR FILING DATE: 2000-05-04
;; PRIOR APPLICATION NUMBER: 60/206,201
;; PRIOR FILING DATE: 2000-05-22
;; PRIOR APPLICATION NUMBER: 60/218,950
;; PRIOR FILING DATE: 2000-07-14
;; PRIOR APPLICATION NUMBER: 60/222,903
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: 60/223,416
;; PRIOR FILING DATE: 2000-08-04
;; PRIOR APPLICATION NUMBER: 60/223,378
;; PRIOR FILING DATE: 2000-08-07
;; NUMBER OF SEQ ID NOS: 9597
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 867
;; LENGTH: 59
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-796-692-867
```

```
Query Match      100.0%; Score 20; DB 9; Length 59;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 VVPQ 4
Db 4 VVPQ 7
```

RESULT 5

```
US-09-796-692-1031
;; Sequence 1031, Application US/09796692
;; Publication No. US20020198362A1
;; GENERAL INFORMATION:
;; APPLICANT: Gaiger, Alexander
;; APPLICANT: Algate, Paul A.
;; APPLICANT: Mannion, Jane
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
;; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
;; FILE REFERENCE: 2077.001200
;; CURRENT APPLICATION NUMBER: US/09/796,692
;; CURRENT FILING DATE: 2001-03-01
;; PRIOR APPLICATION NUMBER: 60/186,126
;; PRIOR FILING DATE: 2000-03-01
;; PRIOR APPLICATION NUMBER: 60/190,479
;; PRIOR FILING DATE: 2000-03-17
;; PRIOR APPLICATION NUMBER: 60/200,545
;; PRIOR FILING DATE: 2000-04-27
;; PRIOR APPLICATION NUMBER: 60/200,303
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,779
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,999
;; PRIOR FILING DATE: 2000-05-01
;; PRIOR APPLICATION NUMBER: 60/202,084
;; PRIOR FILING DATE: 2000-05-04
;; PRIOR APPLICATION NUMBER: 60/206,201
;; PRIOR FILING DATE: 2000-05-22
;; PRIOR APPLICATION NUMBER: 60/218,950
;; PRIOR FILING DATE: 2000-07-14
;; PRIOR APPLICATION NUMBER: 60/222,903
;; PRIOR FILING DATE: 2000-08-03
;; PRIOR APPLICATION NUMBER: 60/223,416
;; PRIOR FILING DATE: 2000-08-04
;; PRIOR APPLICATION NUMBER: 60/223,378
;; PRIOR FILING DATE: 2000-08-07
;; NUMBER OF SEQ ID NOS: 9597
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 1031
;; LENGTH: 60
```

```
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-796-692-1031
```

```
Query Match      100.0%; Score 20; DB 9; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 VVPQ 4
Db 5 VVPQ 8
```

RESULT 6

```
US-09-866-050A-164
;; Sequence 164, Application US/09866050A
;; Publication No. US20030040471A1
;; GENERAL INFORMATION:
;; APPLICANT: Watson, James D.
;; APPLICANT: Strachan, Lorna
;; APPLICANT: Steeman, Matthew
;; APPLICANT: Onrust, Rene
;; APPLICANT: Murlison, James G.
;; APPLICANT: Kumble, Krishanand D.
;; TITLE OF INVENTION: Compositions Isolated From Skin Cells
;; TITLE OF INVENTION: and Methods for Their Use
;; FILE REFERENCE: 11000.104441
;; CURRENT APPLICATION NUMBER: US/09/866,050A
;; CURRENT FILING DATE: 2001-05-24
;; NUMBER OF SEQ ID NOS: 725
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 164
;; LENGTH: 60
;; TYPE: PRT
;; ORGANISM: Rat
US-09-866-050A-164
```

```
Query Match      100.0%; Score 20; DB 9; Length 60;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 VVPQ 4
Db 19 VVPQ 22
```

RESULT 7

```
US-09-796-692-935
;; Sequence 935, Application US/09796692
;; Publication No. US20020198362A1
;; GENERAL INFORMATION:
;; APPLICANT: Gaiger, Alexander
;; APPLICANT: Algate, Paul A.
;; APPLICANT: Mannion, Jane
;; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
;; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES
;; FILE REFERENCE: 2077.001200
;; CURRENT APPLICATION NUMBER: US/09/796,692
;; CURRENT FILING DATE: 2001-03-01
;; PRIOR APPLICATION NUMBER: 60/186,126
;; PRIOR FILING DATE: 2000-03-01
;; PRIOR APPLICATION NUMBER: 60/190,479
;; PRIOR FILING DATE: 2000-03-17
;; PRIOR APPLICATION NUMBER: 60/200,545
;; PRIOR FILING DATE: 2000-04-27
;; PRIOR APPLICATION NUMBER: 60/200,303
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,779
;; PRIOR FILING DATE: 2000-04-28
;; PRIOR APPLICATION NUMBER: 60/200,999
;; PRIOR FILING DATE: 2000-05-01
;; PRIOR APPLICATION NUMBER: 60/202,084
;; PRIOR FILING DATE: 2000-05-04
```

```
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03/223,416
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 935
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-796-692-935
```

```
Query Match          100.0%; Score 20; DB 9; Length 61;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 VVPO 4
    |||
Db 6 VVPO 9
```

```
RESULT 8
US-09-867-550-118
; Sequence 118, Application US/09867550
; Patent No. US20020082206A1
; GENERAL INFORMATION:
; APPLICANT: Leach, Martin D.
; APPLICANT: Mehraban, Foad,
; APPLICANT: Conley, Pamela
; APPLICANT: Law, Debbie
; APPLICANT: Topper, James
; TITLE OF INVENTION: No. US20020082206A1 Polynucleotides from Atherogenic Cells and
; FILE REFERENCE: 21402-013 (Cura-313)
; CURRENT APPLICATION NUMBER: US/09/867,550
; CURRENT FILING DATE: 2001-09-20
; PRIOR APPLICATION NUMBER: USSN 60/208,427
; PRIOR FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 2125
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 118
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-867-550-118
```

```
Query Match          100.0%; Score 20; DB 10; Length 65;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 VVPO 4
    |||
Db 4 VVPO 7
```

```
RESULT 9
US-09-884-456-74
; Sequence 74, Application US/09884456
; Publication No. US20030027317A1
; GENERAL INFORMATION:
; APPLICANT: Houghton, Michael
; APPLICANT: Choo, Qui-Jim
; APPLICANT: Kuo, George
; TITLE OF INVENTION: Hepatitis C virus protease
; FILE REFERENCE: 223002010005
; CURRENT APPLICATION NUMBER: US/09/884,456
; CURRENT FILING DATE: 2001-06-18
```

```
; PRIOR APPLICATION NUMBER: 09/253,230
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 08/709,177
; PRIOR FILING DATE: 1996-09-06
; PRIOR APPLICATION NUMBER: 08/440,548
; PRIOR FILING DATE: 1995-05-12
; PRIOR APPLICATION NUMBER: 08/350,884
; PRIOR FILING DATE: 1994-12-06
; PRIOR APPLICATION NUMBER: 07/680,296
; PRIOR FILING DATE: 1991-04-04
; PRIOR APPLICATION NUMBER: 07/505,433
; PRIOR FILING DATE: 1990-04-04
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 74
; LENGTH: 69
; TYPE: PRT
; ORGANISM: Hepatitis C virus
US-09-884-456-74
```

```
Query Match          100.0%; Score 20; DB 9; Length 69;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 VVPO 4
    |||
Db 54 VVPO 57
```

```
RESULT 10
US-09-813-153-108
; Sequence 108, Application US/09813153
; Publication No. US20030045459A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 67 Human secreted proteins
; FILE REFERENCE: P2023
; CURRENT APPLICATION NUMBER: US/09/813,153
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US/09/363,044
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: 60/073,160
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,159
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,165
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,164
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,167
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,162
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,161
; PRIOR FILING DATE: 1998-01-30
; PRIOR APPLICATION NUMBER: 60/073,170
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 298
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 108
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (74)
; OTHER INFORMATION: Xaa equals stop translation
US-09-813-153-108
```

```
Query Match          100.0%; Score 20; DB 9; Length 74;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

OY 1 VFPQ 4
Db 47 VFPQ 50

RESULT 11

US-09-925-299-779
Sequence 779, Application US/09925299
Publication No. US20030040617A9
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA102
CURRENT APPLICATION NUMBER: US/09/925,299
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05883
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 779
LENGTH: 111
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (88)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (91)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (94)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (98)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (101)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (103)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (106)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (107)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (108)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-299-779

Query Match

Best Local Similarity 100.0%; Score 20; DB 9; Length 111;
Pred. No. 6.1e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 4; Conservative 0;

OY 1 VFPQ 4
Db 83 VFPQ 86

RESULT 12

US-09-864-761-38949
Sequence 38949, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecm1ca-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
SEQ ID NO 38949
LENGTH: 111
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC004853.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.9
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.6
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.3
OTHER INFORMATION: EST HUMAN HIT: A1278824.1, EVALUATE 2.00e-20
OTHER INFORMATION: SWISSPROT HIT: Q13607, EVALUATE 1.00e-53
US-09-864-761-38949

Query Match
Best Local Similarity 100.0%; Score 20; DB 10; Length 111;
Pred. No. 6.1e+02; Mismatches 0; Indels 0; Gaps 0;
Matches 4; Conservative 0;

OY 1 VFPQ 4
Db 71 VFPQ 74

RESULT 13

US-09-925-299-779
Sequence 779, Application US/09925299

Patent No. US20020055627A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA102
CURRENT APPLICATION NUMBER: US/09/925,299
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05883
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: Patentn Ver. 2.0
SEQ ID NO 779
LENGTH: 111
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (88)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (91)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (94)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (98)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (101)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (103)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (106)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (107)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (108)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-299-779
Query Match 100.0%; Score 20; DB 10; Length 111;
Best Local Similarity 100.0%; Pred. No. 6.1e+02; Indels 0; Gaps 0;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 VWPQ 4
Db 83 VWPQ 86
RESULT 14
US-10-004-717-50
Sequence 50, Application US/10004717
Publication No. US20020192665A1
GENERAL INFORMATION:
APPLICANT: ZOGHEI, HUDA Y.
APPLICANT: YANG, QI
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPEUTIC USE OF AN
TITLE OF INVENTION: ATOMAL ASSOCIATED SEQUENCE FOR DEAFNESS,
TITLE OF INVENTION: OSTEOARTHRITIS, AND ABNORMAL CELL PROLIFERATION
FILE REFERENCE: P01899US4
CURRENT APPLICATION NUMBER: US/10/004,717
CURRENT FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: 09/585,645
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: 60/176,993
PRIOR FILING DATE: 2000-01-19

PRIOR APPLICATION NUMBER: 60/137,060
PRIOR FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 69
SOFTWARE: Patentn Ver. 2.1
SEQ ID NO 50
LENGTH: 138
TYPE: PRT
ORGANISM: Frog
US-10-004-717-50
Query Match 100.0%; Score 20; DB 9; Length 138;
Best Local Similarity 100.0%; Pred. No. 7.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 VWPQ 4
Db 59 VWPQ 62
RESULT 15
US-10-004-717-52
Sequence 52, Application US/10004717
Publication No. US20020192665A1
GENERAL INFORMATION:
APPLICANT: ZOGHEI, HUDA Y.
APPLICANT: YANG, QI
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPEUTIC USE OF AN
TITLE OF INVENTION: ATOMAL ASSOCIATED SEQUENCE FOR DEAFNESS,
TITLE OF INVENTION: OSTEOARTHRITIS, AND ABNORMAL CELL PROLIFERATION
FILE REFERENCE: P01899US4
CURRENT APPLICATION NUMBER: US/10/004,717
CURRENT FILING DATE: 2002-08-16
PRIOR APPLICATION NUMBER: 09/585,645
PRIOR FILING DATE: 2000-06-01
PRIOR APPLICATION NUMBER: 60/176,993
PRIOR FILING DATE: 2000-01-19
PRIOR APPLICATION NUMBER: 60/137,060
PRIOR FILING DATE: 1999-06-01
NUMBER OF SEQ ID NOS: 69
SOFTWARE: Patentn Ver. 2.1
SEQ ID NO 52
LENGTH: 138
TYPE: PRT
ORGANISM: Frog
US-10-004-717-52
Query Match 100.0%; Score 20; DB 9; Length 138;
Best Local Similarity 100.0%; Pred. No. 7.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 VWPQ 4
Db 59 VWPQ 62

Search completed: April 16, 2003, 09:51:40
Job time : 9 secs

GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:02 ; Search time 6.95652 seconds
(without alignments)
16.918 Million cell updates/sec

Title: US-09-580-156D-42

Perfect score: 20

Sequence: 1 VVPQ 4

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-Processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	20	100.0	4	3	US-09-039-308A-17
2	20	100.0	5	1	US-08-233-788A-1
3	20	100.0	8	4	US-08-444-818-409
4	20	100.0	12	1	US-08-548-540-129
5	20	100.0	12	5	PCT-US96-09809-129
6	20	100.0	16	1	US-09-500-651-4
7	20	100.0	16	2	US-08-813-591-4
8	20	100.0	21	1	US-07-946-054-5
9	20	100.0	21	5	PCT-US93-08638-5
10	20	100.0	29	1	US-08-262-037-51
11	20	100.0	36	1	US-08-262-037-52
12	20	100.0	41	1	US-08-262-037-48
13	20	100.0	48	1	US-08-262-037-53
14	20	100.0	49	5	PCT-US92-07813-6
15	20	100.0	54	1	US-08-262-037-54
16	20	100.0	55	1	US-08-262-037-49
17	20	100.0	60	4	US-09-188-930-164
18	20	100.0	66	1	US-08-262-037-50
19	20	100.0	66	3	US-08-912-272-29
20	20	100.0	66	4	US-09-026-039-29
21	20	100.0	69	1	US-08-350-884-74
22	20	100.0	69	1	US-08-709-173-74
23	20	100.0	69	2	US-08-709-177-74
24	20	100.0	71	2	US-08-726-306A-37
25	20	100.0	77	2	US-08-726-306A-54
26	20	100.0	93	2	US-08-341-843B-38
27	20	100.0	93	2	US-08-427-497E-43

28	20	100.0	93	4	US-08-928-383B-19	Sequence 19, Appl
29	20	100.0	117	1	US-08-262-037-58	Sequence 58, Appl
30	20	100.0	120	1	US-08-233-788A-57	Sequence 57, Appl
31	20	100.0	140	3	US-08-911-853-11	Sequence 11, Appl
32	20	100.0	140	4	US-09-479-409-11	Sequence 11, Appl
33	20	100.0	140	4	US-09-479-453-11	Sequence 11, Appl
34	20	100.0	151	1	US-08-233-788A-59	Sequence 59, Appl
35	20	100.0	179	4	US-08-884-077-4	Sequence 4, Appl
36	20	100.0	201	4	US-08-506-296B-55	Sequence 55, Appl
37	20	100.0	206	4	US-09-040-981-2	Sequence 2, Appl
38	20	100.0	207	4	US-08-884-077-6	Sequence 6, Appl
39	20	100.0	221	4	US-09-071-035-224	Sequence 224, Appl
40	20	100.0	241	2	US-08-825-781-3	Sequence 3, Appl
41	20	100.0	241	2	US-08-825-781-4	Sequence 4, Appl
42	20	100.0	252	4	US-08-858-207A-375	Sequence 325, Appl
43	20	100.0	257	3	US-08-728-603-19	Sequence 19, Appl
44	20	100.0	263	2	US-08-892-690-3	Sequence 3, Appl
45	20	100.0	266	4	US-08-444-818-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1
US-09-039-308A-17
Sequence 17, Application US/09039308A
Patent No. 6069129
GENERAL INFORMATION:
APPLICANT: Sandberg, Lawrence; Roos, Phillip;
TITLE OF INVENTION: ELASTIN DERIVED COMPOSITION
TITLE OF INVENTION: AND METHOD OF
TITLE OF INVENTION: USING SAME
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESSES:
ADDRESSEE: REED SMITH SHAW & MCCRAY, LLP
STREET: PO Box 488
City: Pittsburgh
STATE: Pennsylvania
COUNTRY: USA
ZIP: 15230
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb
COMPUTER: Compaq
OPERATING SYSTEM: Microsoft Windows 95
SOFTWARE: Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/039,308A
FILING DATE: March 13, 1998
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Miller, Raymond A.
REGISTRATION NUMBER: 42,891
REFERENCE/DOCKET NUMBER: 97-489
TELECOMMUNICATION INFORMATION:
TELEPHONE: (412) 288-4192
TELEFAX: (412) 288-3300
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 4 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-039-308A-17
Query Match 100.0%; Score 20; DB 3; Length 4;
Best Local Similarity 100.0%; Pred No. 2e+05; 0; Indels 0; Gaps 0;
Matches 4; Conservative 0; Mismatches 0;
QY 1 VVPQ 4
Db 1 VVPQ 4

RESULT 2
US-08-233-788A-1
Sequence 1, Application US/08233788A
Patent No. 5635617
GENERAL INFORMATION:
APPLICANT: Doran, James L.
APPLICANT: Kay, William W.
APPLICANT: Collinson, Karen S.
APPLICANT: Clouthier, Sharon C.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DETECTION
TITLE OF INVENTION: OF SALMONELLA
NUMBER OF SEQUENCES: 61
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Seed and Berry
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/233,788A
FILING DATE: 26-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: King, Joshua
REGISTRATION NUMBER: 35,570
REFERENCE/DOCKET NUMBER: 92043.403C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
TELEX: 3723836 SREDANBERY
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-233-788A-1

Query Match 100.0%; Score 20; DB 1; Length 5;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVPQ 4
Db 2 VVPQ 5

RESULT 3
US-08-444-818-409
Sequence 409, Application US/08444818
Patent No. 6150087
GENERAL INFORMATION:
APPLICANT: Chien, David Y.
APPLICANT: Ruten, William J.
TITLE OF INVENTION: NANBV Diagnostics and Vaccines
NUMBER OF SEQUENCES: 777
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608-2916
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/444,818
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/403,590
FILING DATE: 14-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Harbin, Ailes A.
REGISTRATION NUMBER: 33,895
REFERENCE/DOCKET NUMBER: 0110.002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (508)359-3876
TELEFAX: (508)359-3885
INFORMATION FOR SEQ ID NO: 409:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-444-818-409

Query Match 100.0%; Score 20; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 2e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VVPQ 4
Db 1 VVPQ 4

RESULT 4
US-08-548-540-129
Sequence 129, Application US/08548540
Patent No. 5733731
GENERAL INFORMATION:
APPLICANT: Schatz, Peter J.
APPLICANT: Cull, Miliard G.
APPLICANT: Miller, Jeff F.
APPLICANT: Stemmer, Willem P.C.
APPLICANT: Gates, Christian M.
TITLE OF INVENTION: Peptide Library and Screening Method
NUMBER OF SEQUENCES: 162
CORRESPONDENCE ADDRESSES:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Stewart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/548,540
FILING DATE: 26-OCT-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/290,641
FILING DATE: 15-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,321
FILING DATE: 15-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 16528J-001240US
TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 129:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-548-540-129

Query Match 100.0%; Score 20; DB 1; Length 12;
Best Local Similarity 100.0%; Pred. No. 85;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4
Db 4 VVPO 7

RESULT 5

PCT-US96-09809-129
Sequence 129, Application PC/TUS9609809
GENERAL INFORMATION:
APPLICANT: Schatz, Peter J.
APPLICANT: Cull, Miliard G.
APPLICANT: Miller, Jeff F.
APPLICANT: Stemmer, Willem P.C.
APPLICANT: Gates, Christian M.
TITLE OF INVENTION: Peptide Library and Screening Method
NUMBER OF SEQUENCES: 162
CORRESPONDENCE ADDRESS:
ADDRESSEE: William M. Smith
STREET: One Market Plaza, Stewart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/09809
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/548,540
FILING DATE: 26-OCT-1995
APPLICATION NUMBER: US 08/290,641
FILING DATE: 15-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/963,321
FILING DATE: 15-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 16528J-001240US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 129:
SEQUENCE CHARACTERISTICS:
LENGTH: 12 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US96-09809-129

Query Match 100.0%; Score 20; DB 5; Length 12;
Best Local Similarity 100.0%; Pred. No. 85;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 VVPO 4
Db 4 VVPO 7

RESULT 6

US-09-500-651-4
Sequence 4, Application US/09500651
GENERAL INFORMATION:
APPLICANT: ASANO, MINAO
APPLICANT: KAWAI, MISAKO
APPLICANT: MIWA, TETSUYA
APPLICANT: NIO, NORIKI
TITLE OF INVENTION: AMINOPEPTIDASE GK, AND A METHOD OF
NUMBER OF SEQUENCES: 8
TITLE OF INVENTION: HYDROLYSING A PROTEIN WITH THE SAME
CORRESPONDENCE ADDRESS:
ADDRESSEE: OHION, SPIVAK, MCCLELLAND, MATER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/500,651
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/813,591
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 030458/1997
FILING DATE: 14-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: OHION, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-845-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-500-651-4

Query Match 100.0%; Score 20; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPO 4
Db 8 VVPO 11

RESULT 7

US-08-813-591-4
Sequence 4, Application US/08813591
GENERAL INFORMATION:
PATENT NO. 5824534
APPLICANT: ASANO, MINAO
APPLICANT: KAWAI, MISAKO

APPLICANT: MIWA, TETSUYA
APPLICANT: NIO, NORIKI
TITLE OF INVENTION: AMINOPEPTIDASE GX, AND A METHOD OF
TITLE OF INVENTION: HYDROLYSING A PROTEIN WITH THE SAME
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/813,591
FILING DATE: 07-MAR-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 051848/1996
FILING DATE: 08-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 030456/1997
FILING DATE: 14-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-845-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-813-591-4

Query Match 100.0%; Score 20; DB 2; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VFPQ 4
Db 8 VFPQ 11

RESULT 8
US-07-946-054-5
Sequence 5, Application US/07946054
Patent No. 5582968
GENERAL INFORMATION:
APPLICANT: Wang, Chang YI
APPLICANT: Hosein, Barbara H
TITLE OF INVENTION: No. 5582968e1 Branched Hybrid and Cluster
TITLE OF INVENTION: Peptides Effective in Diagnosing and Detecting No. 5582968-A,
TITLE OF INVENTION: No. 5582968-B Hepatitis
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: United Biomedical Inc.
STREET: 25 Davids Dr.
CITY: Hauppauge
STATE: New York
COUNTRY: USA
ZIP: 11788
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/946,054
FILING DATE: 15-SEP-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Wilson, M. Lisa
REGISTRATION NUMBER: 34,045
REFERENCE/DOCKET NUMBER: 2000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 516-273-2828
TELEFAX: 516-273-1717
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-07-946-054-5

Query Match 100.0%; Score 20; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VFPQ 4
Db 2 VFPQ 5

RESULT 9
PCT-US93-08638-5
Sequence 5, Application PC/TUS9308638
GENERAL INFORMATION:
APPLICANT: United Biomedical Inc.
TITLE OF INVENTION: Novel Branched Hybrid and Cluster Peptides
TITLE OF INVENTION: Effective in Diagnosing and Detecting Non-A,
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: UNITED BIOMEDICAL INC.
STREET: 25 Davids Drive
CITY: Hauppauge
STATE: New York
COUNTRY: USA
ZIP: 11788
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08638
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: M. Lisa Wilson
REGISTRATION NUMBER: 34,045
REFERENCE/DOCKET NUMBER: 9055
TELECOMMUNICATION INFORMATION:
TELEPHONE: 516-273-2828
TELEFAX: 516-273-1717
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US93-08638-5

Query Match 100.0%; Score 20; DB 5; Length 21;

Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VWPQ 4
Db 2 VWPQ 5

RESULT 10
US-08-262-037-51

; Sequence 51, Application US/08262037
; Patent No. 5747239
; GENERAL INFORMATION:
; APPLICANT: Chang Yi Wang and Barbara Hosein
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR
; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
; NUMBER OF SEQUENCES: 136
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVE.
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/262,037
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/719,819
; FILING DATE: 24-June-1991
; APPLICATION NUMBER: 07/667,275
; FILING DATE: 11-Mar-1991
; APPLICATION NUMBER: 07/651,735
; FILING DATE: 07-Feb-1991
; APPLICATION NUMBER: 07/558,799
; FILING DATE: 26-July-1990
; APPLICATION NUMBER: 07/510,153
; FILING DATE: 16-April-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria C. H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4043 US3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: Amino acid
; STRANDEDNESS:
; TOPOLOGY: Unknown
; US-08-262-037-51

Query Match 100.0%; Score 20; DB 1; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VWPQ 4
Db 2 VWPQ 5

RESULT 11
US-08-262-037-52
; Sequence 52, Application US/08262037

; Patent No. 5747239
; GENERAL INFORMATION:

; APPLICANT: Chang Yi Wang and Barbara Hosein
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR
; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
; NUMBER OF SEQUENCES: 136
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVE.
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/262,037
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/719,819
; FILING DATE: 24-June-1991
; APPLICATION NUMBER: 07/667,275
; FILING DATE: 11-Mar-1991
; APPLICATION NUMBER: 07/651,735
; FILING DATE: 07-Feb-1991
; APPLICATION NUMBER: 07/558,799
; FILING DATE: 26-July-1990
; APPLICATION NUMBER: 07/510,153
; FILING DATE: 16-April-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Maria C. H. Lin
; REGISTRATION NUMBER: 29,323
; REFERENCE/DOCKET NUMBER: 1151-4043 US3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-758-4800
; TELEFAX: (212) 751-6849
; TELEX: 421792
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 36 amino acids
; TYPE: Amino acid
; STRANDEDNESS:
; TOPOLOGY: Unknown
; US-08-262-037-52

Query Match 100.0%; Score 20; DB 1; Length 36;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 VWPQ 4
Db 9 VWPQ 12

RESULT 12
US-08-262-037-48

; Sequence 48, Application US/08262037
; Patent No. 5747239
; GENERAL INFORMATION:
; APPLICANT: Chang Yi Wang and Barbara Hosein
; TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR
; TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV
; TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
; NUMBER OF SEQUENCES: 136
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVE.
; CITY: NEW YORK

STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/262.037
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/719,819
FILING DATE: 24-June-1991
APPLICATION NUMBER: 07/667,275
FILING DATE: 11-Mar-1991
APPLICATION NUMBER: 07/651,735
FILING DATE: 07-Feb-1991
APPLICATION NUMBER: 07/558,799
FILING DATE: 26-July-1990
APPLICATION NUMBER: 07/510,153
FILING DATE: 16-April-1990
ATTORNEY/AGENT INFORMATION:
NAME: Maria C. H. Lin
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 1151-4043 US3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: Amino acid
STRANDEDNESS:
TOPOLOGY: Unknown
US-08-262-037-48

Query Match 100.0%; Score 20; DB 1; Length 41;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4
Db 2 VVPQ 5

RESULT 13
US-08-262-037-53
Sequence 53, Application US/08262037
Patent No. 5747239
GENERAL INFORMATION:
APPLICANT: Chang Yi Wang and Barbara Hosein
TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR
TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV, DIAGNOSIS OF HCV
TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
NUMBER OF SEQUENCES: 136
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVE.
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/262,037
FILING DATE:

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/719,819
FILING DATE: 24-June-1991
APPLICATION NUMBER: 07/667,275
FILING DATE: 11-Mar-1991
APPLICATION NUMBER: 07/651,735
FILING DATE: 07-Feb-1991
APPLICATION NUMBER: 07/558,799
FILING DATE: 26-July-1990
APPLICATION NUMBER: 07/510,153
FILING DATE: 16-April-1990
ATTORNEY/AGENT INFORMATION:
NAME: Maria C. H. Lin
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 1151-4043 US3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 53:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 amino acids
TYPE: Amino acid
STRANDEDNESS:
TOPOLOGY: Unknown
US-08-262-037-53

Query Match 100.0%; Score 20; DB 1; Length 48;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4
Db 21 VVPQ 24

RESULT 14
PCT-US92-07813-6
Sequence 6, Application PC/TUS9207813
GENERAL INFORMATION:
APPLICANT: LESNIEWSKI, RICHARD R.
APPLICANT: LEUNG, TAT K.
TITLE OF INVENTION: HEPATITIS C ASSAY
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES
STREET: ONE ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: ILLINOIS
COUNTRY: U.S.A.
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/07813
FILING DATE: 19920916
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: FOREMSKIP, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 4767.P3.03
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-937-9556
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 49 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: peptide
PCT-US92-07813-6

Query Match 100.0%; Score 20; DB 5; Length 49;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4
Db 27 VVPQ 30

RESULT 15
US-08-262-037-54
Sequence 54, Application US/08262037
Patent No. 5747239
GENERAL INFORMATION:
APPLICANT: Chang Yi Wang and Barbara Hosein
TITLE OF INVENTION: SYNTHETIC PEPTIDES SPECIFIC FOR
TITLE OF INVENTION: THE DETECTION OF ANTIBODIES TO HCV DIAGNOSIS OF HCV
TITLE OF INVENTION: INFECTION AND PREVENTION THEREOF AS VACCINES
NUMBER OF SEQUENCES: 136
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORGAN & FINNEGAN
STREET: 345 PARK AVE.
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/262,037
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/719,819
FILING DATE: 24-June-1991
APPLICATION NUMBER: 07/667,275
FILING DATE: 11-Mar-1991
APPLICATION NUMBER: 07/651,735
FILING DATE: 07-Feb-1991
APPLICATION NUMBER: 07/558,799
FILING DATE: 26-July-1990
APPLICATION NUMBER: 07/510,153
FILING DATE: 16-April-1990
ATTORNEY/AGENT INFORMATION:
NAME: Maria C. H. Lin
REGISTRATION NUMBER: 29,323
REFERENCE/DOCKET NUMBER: 1151-4043 US3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 54 amino acids
TYPE: Amino acid
STRANDEDNESS:
TOPOLOGY: Unknown
US-08-262-037-54

Query Match 100.0%; Score 20; DB 1; Length 54;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 VVPQ 4
Db 27 VVPQ 30

Search completed: April 16, 2003, 09:40:00
Job time: 8.95652 secs

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OM protein - protein search, using BW model

Run on: April 16, 2003, 09:38:18 ; Search time 20 Seconds
(without alignments)
38.983 Million cell updates/sec

Title: US-09-580-156D-45

Perfect score: 24

Sequence: 1 AVVPQ 5

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 705215 seqs, 155932251 residues

Total number of hits satisfying chosen parameters: 705215

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Pending_Patents_AA_New:*
1: /cgn2_6/ptodaca/1/paa/PCR_NEW_COMB.pep:*
2: /cgn2_6/ptodaca/1/paa/US06_NEW_COMB.pep:*
3: /cgn2_6/ptodaca/1/paa/US07_NEW_COMB.pep:*
4: /cgn2_6/ptodaca/1/paa/US08_NEW_COMB.pep:*
5: /cgn2_6/ptodaca/1/paa/US09_NEW_COMB.pep:*
6: /cgn2_6/ptodaca/1/paa/US10_NEW_COMB.pep:*
7: /cgn2_6/ptodaca/1/paa/US60_NEW_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	24	100.0	5	5	US-09-580-893C-45
2	24	100.0	5	5	US-09-580-893C-47
3	24	100.0	5	5	US-09-580-893D-45
4	24	100.0	5	5	US-09-580-893D-47
5	24	100.0	5	5	US-09-580-110E-45
6	24	100.0	5	5	US-09-580-110E-47
7	24	100.0	5	5	US-09-580-156D-45
8	24	100.0	5	5	US-09-580-156D-47
9	24	100.0	5	5	US-09-580-893C-44
10	24	100.0	5	5	US-09-580-893C-46
11	24	100.0	5	5	US-09-580-893C-48
12	24	100.0	5	5	US-09-580-893D-44
13	24	100.0	5	5	US-09-580-893D-46
14	24	100.0	5	5	US-09-580-893D-48
15	24	100.0	5	5	US-09-580-110E-44
16	24	100.0	5	5	US-09-580-110E-46
17	24	100.0	5	5	US-09-580-110E-48
18	24	100.0	5	5	US-09-580-156D-44
19	24	100.0	5	5	US-09-580-156D-46
20	24	100.0	5	5	US-09-580-156D-48
21	24	100.0	5	5	US-09-580-893C-50
22	24	100.0	5	5	US-09-580-893C-52
23	24	100.0	5	5	US-09-580-893C-54
24	24	100.0	5	5	US-09-580-893D-50
25	24	100.0	5	5	US-09-580-893D-52
26	24	100.0	5	5	US-09-580-110E-50
27	24	100.0	5	5	US-09-580-110E-52

27	24	100.0	7	5	US-09-580-156D-50	Sequence 50, App1
28	24	100.0	7	5	US-09-580-156D-52	Sequence 53, App1
29	24	100.0	8	5	US-09-580-893C-51	Sequence 54, App1
30	24	100.0	8	5	US-09-580-893C-54	Sequence 51, App1
31	24	100.0	8	5	US-09-580-893D-51	Sequence 54, App1
32	24	100.0	8	5	US-09-580-893D-54	Sequence 54, App1
33	24	100.0	8	5	US-09-580-110E-51	Sequence 54, App1
34	24	100.0	8	5	US-09-580-110E-54	Sequence 54, App1
35	24	100.0	8	5	US-09-580-156D-51	Sequence 51, App1
36	24	100.0	8	5	US-09-580-156D-54	Sequence 54, App1
37	24	100.0	15	1	PCT-US02-31642-81	Sequence 81, App1
38	24	100.0	15	6	US-10-264-309-81	Sequence 81, App1
39	24	100.0	15	6	US-10-244-715A-81	Sequence 81, App1
40	24	100.0	16	5	US-09-623-548A-1315	Sequence 1315, Ap
41	24	100.0	29	5	US-09-623-548A-1314	Sequence 1314, Ap
42	24	100.0	52	5	US-09-623-548A-1313	Sequence 1313, Ap
43	24	100.0	57	1	PCT-US02-32727-11044	Sequence 11044, A
44	24	100.0	57	1	PCT-US02-32727-16368	Sequence 16368, A
45	24	100.0	57	5	US-09-978-825-11044	Sequence 11044, A

ALIGNMENTS

```
RESULT 1
US-09-580-893C-45
; Sequence 45, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580, 893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 45
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(5)
US-09-580-893C-45

Query Match      100.0%; Score 24; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 66+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AVVPQ 5
Db      1 AVVPQ 5

RESULT 2
US-09-580-893C-47
; Sequence 47, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580, 893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
```

```

; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (5)
; OTHER INFORMATION: AMIDATION
US-09-580-893C-47

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
DB 1 AVVPQ 5

RESULT 3
US-09-580-893D-45
; Sequence 45, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-06
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 45
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(5)
US-09-580-893D-45

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
DB 1 AVVPQ 5

RESULT 4
US-09-580-893D-47
; Sequence 47, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: MOD_RES
; LOCATION: (5)
US-09-580-893D-47

; OTHER INFORMATION: AMIDATION
US-09-580-893D-47

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
DB 1 AVVPQ 5

RESULT 5
US-09-580-110E-45
; Sequence 45, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-45

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
DB 1 AVVPQ 5

RESULT 6
US-09-580-110E-47
; Sequence 47, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD_RES
; LOCATION: (5)..(5)
; OTHER INFORMATION: AMIDATION
US-09-580-110E-47

Query Match
Best Local Similarity 100.0%; Score 24; DB 5; Length 5;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
DB 1 AVVPQ 5
```

Db 1 AVVPQ 5

```
RESULT 7
US-09-580-156D-45
; Sequence 45, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.
; APPLICANT: Thomas, Mitter F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(5)
; OTHER INFORMATION:
US-09-580-156D-45
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```
Query Match          100.0%; Score 24; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 AVVPQ 5

```
Db 1 AVVPQ 5

RESULT 8
US-09-580-156D-47
; Sequence 47, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.
; APPLICANT: Thomas, Mitter F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD_RES
; LOCATION: (5)..(5)
; OTHER INFORMATION: AMIDATION
US-09-580-156D-47
```

```
Query Match          100.0%; Score 24; DB 5; Length 5;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 AVVPQ 5

Db 1 AVVPQ 5

```
RESULT 9
US-09-580-893C-44
; Sequence 44, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: Mitter, Thomas F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; PRIOR FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: ACETYLTATION
US-09-580-893C-44
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Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AVVPQ 5

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Db 2 AVVPQ 6

RESULT 10
US-09-580-893C-46
; Sequence 46, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: MITTS, THOMAS P
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; PRIOR FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
US-09-580-893C-46
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Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 AVVPQ 5

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Db 2 AVVPQ 6

RESULT 11
US-09-580-893C-48
; Sequence 48, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
```

QY 1 AVVPQ 5

```
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
; US-09-580-893C-48
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Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AVVPQ 5
    |||||
Db 2 AVVPQ 6
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RESULT 12
US-09-580-893D-44
; Sequence 44, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: ACETYLATION
; US-09-580-893D-44
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```
Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AVVPQ 5
    |||||
Db 2 AVVPQ 6
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RESULT 13
US-09-580-893D-46
; Sequence 46, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
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; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; US-09-580-893D-46
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Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AVVPQ 5
    |||||
Db 2 AVVPQ 6
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RESULT 14
US-09-580-893D-48
; Sequence 48, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
; US-09-580-893D-48
```

```
Query Match          100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 AVVPQ 5
    |||||
Db 2 AVVPQ 6
```

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RESULT 15
US-09-580-110E-44
; Sequence 44, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
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; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1) . (1)
; OTHER INFORMATION: ACETYLATION
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6) . (6)
; OTHER INFORMATION: AMIDATION
US-09-580-110E-44
    
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Query Match      100.0%; Score 24; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
    
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Qy      1 AVVPQ 5
        |||||
Db      2 AVVPQ 6
    
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Search completed: April 16, 2003, 09:50:48
 Job time : 21 secs

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GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:41 ; Search time 117.826 Seconds
(without alignments)
27.360 Million cell updates/sec

Title: US-09-580-156D-45

Perfect score: 24

Sequence: 1 AVPPQ 5

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Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	24	100.0	5	19	US-09-584-001-45
2	24	100.0	5	19	US-09-584-001-47
3	24	100.0	5	19	US-09-584-001C-45
4	24	100.0	5	19	US-09-584-001C-47
5	24	100.0	6	19	US-09-584-001-44
6	24	100.0	6	19	US-09-584-001-46

7	24	100.0	6	19	US-09-584-001-48	Sequence 48, Appl
8	24	100.0	6	19	US-09-584-001C-44	Sequence 44, Appl
9	24	100.0	6	19	US-09-584-001C-46	Sequence 46, Appl
10	24	100.0	6	19	US-09-584-001C-48	Sequence 48, Appl
11	24	100.0	7	19	US-09-584-001-50	Sequence 50, Appl
12	24	100.0	7	19	US-09-584-001C-53	Sequence 53, Appl
13	24	100.0	7	19	US-09-584-001C-50	Sequence 50, Appl
14	24	100.0	7	19	US-09-584-001C-53	Sequence 53, Appl
15	24	100.0	8	19	US-09-584-001-51	Sequence 51, Appl
16	24	100.0	8	19	US-09-584-001-54	Sequence 54, Appl
17	24	100.0	8	19	US-09-584-001C-51	Sequence 51, Appl
18	24	100.0	8	19	US-09-584-001C-54	Sequence 54, Appl
19	24	100.0	15	22	US-09-826-290-7	Sequence 54, Appl
20	24	100.0	16	20	US-09-657-276-1315	Sequence 1315, Ap
21	24	100.0	24	21	US-09-709-947-18	Sequence 18, Appl
22	24	100.0	24	21	US-09-709-954-18	Sequence 18, Appl
23	24	100.0	29	20	US-09-657-276-1314	Sequence 1314, Ap
24	24	100.0	52	20	US-09-657-276-1313	Sequence 1313, Ap
25	24	100.0	68	16	US-09-248-796-27350	Sequence 27350, A
26	24	100.0	68	27	US-60-096-409-27350	Sequence 27350, A
27	24	100.0	85	21	US-09-708-427-74429	Sequence 74429, A
28	24	100.0	90	21	US-09-758-472-8627	Sequence 8627, Ap
29	24	100.0	90	26	US-10-235-926-8627	Sequence 8627, Ap
30	24	100.0	92	27	US-60-192-733-3532	Sequence 3532, Ap
31	24	100.0	92	27	US-60-194-243-2549	Sequence 2549, Ap
32	24	100.0	117	27	US-60-212-659-513	Sequence 513, Ap
33	24	100.0	117	19	US-09-540-209B-7698	Sequence 7698, Ap
34	24	100.0	123	15	US-09-134-000-3569	Sequence 3569, Ap
35	24	100.0	145	1	PCT-US01-01342-555	Sequence 555, App
36	24	100.0	145	1	PCT-US01-01341-1327	Sequence 1327, Ap
37	24	100.0	145	21	US-09-764-864-1555	Sequence 555, App
38	24	100.0	145	21	US-09-764-864-1555	Sequence 1327, Ap
39	24	100.0	145	24	US-10-080-129-1327	Sequence 1327, Ap
40	24	100.0	145	24	US-10-092-154-555	Sequence 555, App
41	24	100.0	146	27	US-60-389-987-2861	Sequence 2861, Ap
42	24	100.0	146	27	US-60-412-414-2861	Sequence 2861, Ap
43	24	100.0	147	27	US-60-171-494-1515	Sequence 1515, Ap
44	24	100.0	157	20	US-09-620-111B-2436	Sequence 2436, Ap
45	24	100.0	162	22	US-09-897-516-4734	Sequence 4734, Ap

ALIGNMENTS

RESULT 1

US-09-584-001-45

Sequence 45, Application US/09584001

GENERAL INFORMATION:

APPLICANT: SANDBERG, LAWRENCE

APPLICANT: MITTS, THOMAS F.

TITLE OR INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME

FILE REFERENCE: 99494US

CURRENT APPLICATION NUMBER: US/09/584,001

CURRENT FILING DATE: 2000-05-30

EARLIER APPLICATION NUMBER: 09/039,308

EARLIER FILING DATE: 1998-03-13

EARLIER APPLICATION NUMBER: PCT/US99/05496

EARLIER FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 75

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 45

LENGTH: 5

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: peptide

FEATURE:

NAME/KEY: PEPTIDE

LOCATION: (1)..(5)

US-09-584-001-45

Query Match 100.0%; Score 24; DB 19; Length 5;

Best Local Similarity 100.0%; Pred. No. 4.2e+06;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5

RESULT 2

US-09-584-001-47
; Sequence 47, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584,001
; EARLIER FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD_RES
; LOCATION: (5)
; OTHER INFORMATION: AMIDATION
US-09-584-001-47

Query Match 100.0%; Score 24; DB 19; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5

RESULT 3

US-09-584-001C-45
; Sequence 45, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Mitte, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584,001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 45
; LENGTH: 5
; TYPE: PRT
; ORGANISM: mammalian
US-09-584-001C-45

Query Match 100.0%; Score 24; DB 19; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5

RESULT 4

US-09-584-001C-47

; Sequence 47, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Mitte, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584,001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 5
; TYPE: PRT
; ORGANISM: mammalian
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (5)
; OTHER INFORMATION: AMIDATION
US-09-584-001C-47

Query Match 100.0%; Score 24; DB 19; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 1 AVVPQ 5

RESULT 5

US-09-584-001-44
; Sequence 44, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584,001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: ACETYLATION
US-09-584-001-44

Query Match 100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
Db 2 AVVPQ 6

RESULT 6

US-09-584-001-46
; Sequence 46, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME

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FILE REFERENCE: 99494US
CURRENT APPLICATION NUMBER: US/09/584.001
CURRENT FILING DATE: 2000-05-30
EARLIER APPLICATION NUMBER: 09/039,308
EARLIER FILING DATE: 1998-03-13
EARLIER APPLICATION NUMBER: PCT/US99/05496
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 46
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-584-001-46
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Query Match      100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AVVPQ 5
        |||||
Db      2 AVVPQ 6
```

```
RESULT 7
US-09-584-001-48
Sequence 48, Application US/09584001C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE
APPLICANT: MITTS, THOMAS F.
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
FILE REFERENCE: 99494US
CURRENT APPLICATION NUMBER: US/09/584.001
CURRENT FILING DATE: 2000-05-30
EARLIER APPLICATION NUMBER: 09/039,308
EARLIER FILING DATE: 1998-03-13
EARLIER APPLICATION NUMBER: PCT/US99/05496
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 48
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (6)
OTHER INFORMATION: AMIDATION
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-584-001-48
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Query Match      100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AVVPQ 5
        |||||
Db      2 AVVPQ 6

RESULT 8
US-09-584-001C-44
Sequence 44, Application US/09584001C
GENERAL INFORMATION:
APPLICANT: MITTS, THOMAS F.
APPLICANT: SANDBERG, LAWRENCE B.
TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
FILE REFERENCE: 25812-11
CURRENT APPLICATION NUMBER: US/09/584.001C
CURRENT FILING DATE: 2002-04-30
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NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 44
LENGTH: 6
TYPE: PRT
ORGANISM: mammalian
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: ACETYLATION
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (6)
OTHER INFORMATION: AMIDATION
US-09-584-001C-44
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Query Match      100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AVVPQ 5
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Db      2 AVVPQ 6
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RESULT 9
US-09-584-001C-46
Sequence 46, Application US/09584001C
GENERAL INFORMATION:
APPLICANT: MITTS, THOMAS F.
APPLICANT: SANDBERG, LAWRENCE B.
TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
FILE REFERENCE: 25812-11
CURRENT APPLICATION NUMBER: US/09/584.001C
CURRENT FILING DATE: 2002-04-30
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 46
LENGTH: 6
TYPE: PRT
ORGANISM: mammalian
US-09-584-001C-46
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Query Match      100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 AVVPQ 5
        |||||
Db      2 AVVPQ 6
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```
RESULT 10
US-09-584-001C-48
Sequence 48, Application US/09584001C
GENERAL INFORMATION:
APPLICANT: MITTS, THOMAS F.
APPLICANT: SANDBERG, LAWRENCE B.
TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
FILE REFERENCE: 25812-11
CURRENT APPLICATION NUMBER: US/09/584.001C
CURRENT FILING DATE: 2002-04-30
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 48
LENGTH: 6
TYPE: PRT
ORGANISM: mammalian
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (6)
OTHER INFORMATION: AMIDATION
US-09-584-001C-48
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Query Match 100.0%; Score 24; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
|||
Db 2 AVVPQ 6

RESULT 11

US-09-584-001-50
; Sequence 50, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT FILING DATE: 2000-05-30
; EARLIER FILING DATE: 1998-03-13
; EARLIER FILING DATE: 1998-03-13
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 50
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(7)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-584-001-50

Query Match 100.0%; Score 24; DB 19; Length 7;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
|||
Db 2 AVVPQ 6

RESULT 12

US-09-584-001-53
; Sequence 53, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584,001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 53
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: METAL
; LOCATION: (1)..(7)
; OTHER INFORMATION: METAL IS COPPER, BINDING TO LOCATION 1 AND 7

US-09-584-001-53

Query Match 100.0%; Score 24; DB 19; Length 7;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
|||
Db 2 AVVPQ 6

RESULT 13

US-09-584-001C-50
; Sequence 50, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584,001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 50
; LENGTH: 7
; TYPE: PRT
; ORGANISM: mammalian
US-09-584-001C-50

Query Match 100.0%; Score 24; DB 19; Length 7;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
|||
Db 2 AVVPQ 6

RESULT 14

US-09-584-001C-53
; Sequence 53, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584,001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 53
; LENGTH: 7
; TYPE: PRT
; ORGANISM: mammalian
US-09-584-001C-53

Query Match 100.0%; Score 24; DB 19; Length 7;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
|||
Db 2 AVVPQ 6

RESULT 15

US-09-584-001-51
; Sequence 51, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US

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; CURRENT APPLICATION NUMBER: US/09/584,001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-584-001-51

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Query Match          100.0%; Score 24; DB 19; Length 8;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 AVVPQ 5
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Db 3 AVVPQ 7

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Search completed: April 16, 2003, 09:49:10
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GenCore version 5.1.4 p5 4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:56 ; Search time 10 Seconds
(without alignments)
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Title: US-09-580-156D-45
Perfect score: 24
Sequence: 1 AVVPQ 5

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 288829 seqs, 7561385 residues

Total number of hits satisfying chosen parameters: 288829

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA:*
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12: /cgn2_6/ptodata/1/pubppaa/US10_PUBCOMB pep:*
13: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB pep:*
14: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	24	100.0	15	9	US-09-826-290-7
2	24	100.0	145	9	US-10-092-154-555
3	24	100.0	145	10	US-09-764-864-1327
4	24	100.0	145	10	US-09-764-847-555
5	24	100.0	277	10	US-09-755-856-7
6	24	100.0	362	9	US-10-102-806-617
7	24	100.0	400	10	US-09-815-242-10568
8	24	100.0	482	9	US-09-746-783-66
9	24	100.0	760	9	US-10-042-431-70
10	24	100.0	760	9	US-10-042-431-76
11	24	100.0	760	9	US-09-759-1308-440
12	24	100.0	760	9	US-09-759-1308-446
13	24	100.0	1134	9	US-09-836-392-16
14	24	100.0	1237	10	US-09-862-027-78
15	24	100.0	1394	9	US-10-101-388-3
16	24	100.0	2076	10	US-09-815-242-5815
17	24	100.0	2186	10	US-09-815-242-12913
18	23	95.8	69	10	US-09-864-761-46685
19	23	95.8	101	9	US-09-738-626-6053

20	23	95.8	316	12	US-10-001-870-132	Sequence 132, App
21	23	95.8	431	10	US-09-815-242-10970	Sequence 10970, A
22	23	95.8	431	10	US-09-350-258-101	Sequence 101, App
23	23	95.8	467	10	US-09-129-112-19	Sequence 19, App
24	23	95.8	491	10	US-09-997-900-2	Sequence 2, Appli
25	23	95.8	499	10	US-09-864-761-35385	Sequence 35385, A
26	23	95.8	569	10	US-09-931-147-2	Sequence 2, Appli
27	23	95.8	610	9	US-09-891-332A-4	Sequence 4, Appli
28	23	95.8	610	9	US-09-891-332A-10	Sequence 10, Appli
29	23	95.8	659	10	US-09-873-409-1	Sequence 1, Appli
30	23	95.8	677	9	US-09-891-332A-3	Sequence 3, Appli
31	23	95.8	708	9	US-09-891-332A-5	Sequence 5, Appli
32	23	95.8	812	10	US-09-873-409-2	Sequence 2, Appli
33	23	95.8	893	9	US-09-891-332A-2	Sequence 2, Appli
34	23	95.8	893	9	US-09-891-332A-6	Sequence 6, Appli
35	23	95.8	893	9	US-09-891-332A-7	Sequence 7, Appli
36	23	95.8	893	9	US-09-891-332A-8	Sequence 8, Appli
37	23	95.8	893	9	US-09-891-332A-9	Sequence 9, Appli
38	23	95.8	893	9	US-09-229-173-3	Sequence 3, Appli
39	23	95.8	893	10	US-09-741-664-1	Sequence 1, Appli
40	23	95.8	893	10	US-09-741-664-2	Sequence 2, Appli
41	23	95.8	1058	10	US-09-873-409-4	Sequence 4, Appli
42	23	95.8	1195	10	US-09-873-409-6	Sequence 6, Appli
43	23	95.8	1222	10	US-09-873-409-5	Sequence 5, Appli
44	23	95.8	2368	10	US-09-815-242-5635	Sequence 5635, Ap
45	23	95.8	2368	10	US-09-815-242-12389	Sequence 12389, A

ALIGNMENTS

RESULT 1
US-09-826-290-7
Sequence 7, Application US/09826290
Patent No. US20020164668A1

GENERAL INFORMATION:
APPLICANT: Durham, L. Kathryn
APPLICANT: Herath, Herath Mudiyanselage Achula Chandrasiri
APPLICANT: Kimmel, Lida H.
APPLICANT: Parekh, Rajesh Bhikhu
APPLICANT: Potter, David M.
APPLICANT: Rohlf, Christian
APPLICANT: Silber, B. Michael
APPLICANT: Stiger, Thomas R.
APPLICANT: Sunderland, P. Trey
APPLICANT: Townsend, Robert Reid
APPLICANT: White, Frost
APPLICANT: Williams, Stephen A.
TITLE OF INVENTION: Nucleic Acid Molecules, Polypeptides and
TITLE OF INVENTION: Uses Therefor, Including Diagnosis and Treatment of
FILE REFERENCE: 2572-1-001 N2
CURRENT APPLICATION NUMBER: US/09/826,290
PRIOR APPLICATION NUMBER: US 60/194,504
PRIOR FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: US 60/253,647
PRIOR FILING DATE: 2000-11-28
NUMBER OF SEQ ID NOS: 492
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 15
TYPE: PRT
ORGANISM: homo sapien
US-09-826-290-7

Query Match 100.0%; Score 24; DB 9; Length 15;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVVPQ 5
|||||

Db 7 AVVPQ 11

RESULT 2
US-10-092-154-555

Sequence 555, Application US/10092154
Publication No. US20030054375A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC009C1

CURRENT APPLICATION NUMBER: US/10/092,154

CURRENT FILING DATE: 2002-03-07

NUMBER OF SEQ ID NOS: 2003

Prior Application removed - See File Wrapper or Palm

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 555

LENGTH: 145

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc_feature

LOCATION: (121)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc_feature

LOCATION: (123)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc_feature

LOCATION: (125)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc_feature

LOCATION: (129)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc_feature

LOCATION: (136)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: misc_feature

LOCATION: (141)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-10-092-154-555

Query Match

Best Local Similarity 100.0%; Score 24; DB 9; Length 145;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5

Db 101 AVVPQ 105

RESULT 3
US-09-764-864-1327

Sequence 1327, Application US/09764864

Patent No. US20020132753A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PT223

CURRENT APPLICATION NUMBER: US/09/764,864

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 1792

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1327

LENGTH: 145

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (121)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (123)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (125)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (129)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (136)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (141)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-864-1327

Query Match

Best Local Similarity 100.0%; Score 24; DB 10; Length 145;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5

Db 101 AVVPQ 105

RESULT 4

US-09-764-847-555

Sequence 555, Application US/09764847

Patent No. US20020132767A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC009

CURRENT APPLICATION NUMBER: US/09/764,847

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 2003

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 555

LENGTH: 145

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (121)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (123)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (125)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (129)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (136)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (141)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-847-555

Query Match

Best Local Similarity 100.0%; Score 24; DB 10; Length 145;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5

Db 101 AVVPQ 105

RESULT 5

US-09-755-456-7

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; Sequence 7, Application US/09755456
; Patent No. US20010021512A1
; GENERAL INFORMATION:
; APPLICANT: DELBAC, FREDERIC
; APPLICANT: DANCHIN, ANTOINE
; APPLICANT: VIVARES, CHRISTIAN
; TITLE OF INVENTION: MICROSPORIDIAN POLAR TUBE PROTEINS, NUCLEIC ACIDS
; FILE REFERENCE: 1566-00
; CURRENT APPLICATION NUMBER: US/09/755,456
; CURRENT FILING DATE: 2001-01-05
; PRIOR APPLICATION NUMBER: PCT/FR99/01630
; PRIOR FILING DATE: 1999-07-06
; PRIOR APPLICATION NUMBER: FR 98/08692
; PRIOR FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 7
; LENGTH: 277
; TYPE: PRT
; ORGANISM: Encephalitozoon cuniculi
; US-09-755-456-7

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```

Query Match      100.0%; Score 24; DB 10; Length 277;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 AVWPQ 5
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Db      20 AVWPQ 24

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```

RESULT 6
US-10-102-806-617
; Sequence 617, Application US/10102806
; Publication No. US20030054421A1
; GENERAL INFORMATION:
; APPLICANT: ROSEN ET AL.
; TITLE OF INVENTION: NUCLEIC ACIDS, PROTEINS AND ANTIBODIES
; FILE REFERENCE: PA103P1C1
; CURRENT APPLICATION NUMBER: US/10/102,806
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/925,298
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 617
; LENGTH: 362
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (307)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; US-10-102-806-617

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Query Match      100.0%; Score 24; DB 9; Length 362;
Best Local Similarity 100.0%; Pred. No. 3.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 AVWPQ 5
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Db      71 AVWPQ 75

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RESULT 7
US-09-815-242-10568
; Sequence 10568, Application US/09815242
; Patent No. US20020061569A1

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; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zykkind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10568
; LENGTH: 400
; TYPE: PRT
; ORGANISM: Enterococcus faecalis
; US-09-815-242-10568

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Query Match      100.0%; Score 24; DB 10; Length 400;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 AVWPQ 5
      |||||
Db      110 AVWPQ 114

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RESULT 8
US-09-746-783-66
; Sequence 66, Application US/09746783
; Publication No. US20030044935A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallee, Edward R.
; APPLICANT: Racine, Lisa A.
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; APPLICANT: Agostino, Michael J.
; APPLICANT: Howes, Steven H.
; APPLICANT: Fechtel, Kim
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; FILE REFERENCE: ENCODING THEM
; NUMBER OF SEQUENCES: 231
; CORRESPONDENCE ADDRESS:
; ADDRESS: Genetics Institute, Inc.
; STREET: 87 Cambridgepark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

```

SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/746,783
FILING DATE: 21-Dec-2000
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Mlasincic, Debra J.
REGISTRATION NUMBER: 46,931
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO: 66:
SEQUENCE CHARACTERISTICS:
LENGTH: 482 amino acids
TYPE: amino acid
STRANDEDNESS: <Unknown>
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 66:
US-09-746-783-66

Query Match 100.0%; Score 24; DB 9; Length 482;
Best Local Similarity 100.0%; Pred. No. 5,3e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPQ 5
Db 254 AVVPQ 258

RESULT 9
US-10-042-431-70
Sequence 70, Application US/10042431
GENERAL INFORMATION:
APPLICANT: MCCARTHY, Sean A
APPLICANT: FRASER, Christopher C
APPLICANT: SHARP, John D
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING DIAGNOSTIC,
PREVENTIVE, THERAPEUTIC, AND OTHER USES
FILE REFERENCE: 10147-6U2
CURRENT APPLICATION NUMBER: US/10/042,431
CURRENT FILING DATE: 2001-10-25
PRIOR APPLICATION NUMBER: US 09/333,159
PRIOR FILING DATE: 1999-06-14
PRIOR APPLICATION NUMBER: US 09/578,063
PRIOR FILING DATE: 2000-05-24
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 70
LENGTH: 760
TYPE: PRT
ORGANISM: Mus sp.
US-10-042-431-70

Query Match 100.0%; Score 24; DB 9; Length 760;
Best Local Similarity 100.0%; Pred. No. 8,8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPQ 5
Db 446 AVVPQ 450

RESULT 10
US-10-042-431-76
Sequence 76, Application US/10042431
Publication No. US20020182675A1
GENERAL INFORMATION:
APPLICANT: MCCARTHY, Sean A
APPLICANT: BARNES, Thomas M
APPLICANT: FRASER, Christopher C

APPLICANT: SHARP, John D
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING DIAGNOSTIC,
PREVENTIVE, THERAPEUTIC, AND OTHER USES
FILE REFERENCE: 10147-6U2
CURRENT APPLICATION NUMBER: US/10/042,431
CURRENT FILING DATE: 2001-10-25
PRIOR APPLICATION NUMBER: US 09/333,159
PRIOR FILING DATE: 1999-06-14
PRIOR APPLICATION NUMBER: US 09/578,063
PRIOR FILING DATE: 2000-05-24
NUMBER OF SEQ ID NOS: 79
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 76
LENGTH: 760
TYPE: PRT
ORGANISM: Mus sp.
US-10-042-431-76

Query Match 100.0%; Score 24; DB 9; Length 760;
Best Local Similarity 100.0%; Pred. No. 8,8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPQ 5
Db 446 AVVPQ 450

RESULT 11
US-09-759-130B-440
Sequence 440, Application US/09759130B
Publication No. US2003002279A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: McCarthy, Sean A
APPLICANT: Fraser, Christopher C
APPLICANT: Sharp, John D
APPLICANT: Barnes, Thomas S
APPLICANT: Kirst, Susan J
APPLICANT: Mackay, Charles R
APPLICANT: Myers, Paul S
APPLICANT: Leiby, Kevin R
APPLICANT: Wrighton, Nicolas
APPLICANT: Goodearl, Andrew
APPLICANT: Holtzman, Douglas A
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
TITLE OF INVENTION: USES
FILE REFERENCE: MPI00-5350MINIM
CURRENT APPLICATION NUMBER: US/09/759,130B
CURRENT FILING DATE: 2002-09-16
PRIOR APPLICATION NUMBER: US 09/479,249
PRIOR FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: US 09/559,497
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: US 09/578,063
PRIOR FILING DATE: 2000-05-24
PRIOR APPLICATION NUMBER: US 09/333,159
PRIOR FILING DATE: 1999-06-14
PRIOR APPLICATION NUMBER: US 09/596,194
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 09/342,364
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/608,452
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/393,996
PRIOR FILING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: US 09/602,871
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 09/420,707
PRIOR FILING DATE: 1999-10-19
NUMBER OF SEQ ID NOS: 460
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 440

LENGTH: 760
TYPE: PRT
ORGANISM: Mus sp.
US-09-759-130B-440

Query Match
Best Local Similarity 100.0%; Score 24; DB 9; Length 760;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPO 5
Db 446 AVVPO 450

RESULT 12
US-09-759-130B-446
Sequence 446, Application US/09759130B
Publication No. US20030022279A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: McCarthy, Sean A
APPLICANT: Fraser, Christopher C
APPLICANT: Sharp, John D
APPLICANT: Barnes, Thomas S
APPLICANT: Kirst, Susan J
APPLICANT: Mackay, Charles R
APPLICANT: Myers, Paul S
APPLICANT: Leiby, Kevin R
APPLICANT: Wrighton, Nicolas
APPLICANT: Goodheart, Andrew
APPLICANT: Holtzman, Douglas A
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
TITLE OF INVENTION: PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
TITLE OF INVENTION: USFS
FILE REFERENCE: MP100-5350NMIM
CURRENT APPLICATION NUMBER: US/09/759,130B
CURRENT FILING DATE: 2002-09-16
PRIOR APPLICATION NUMBER: US 09/479,249
PRIOR FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: US 09/555,497
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: US 09/578,063
PRIOR FILING DATE: 2000-05-24
PRIOR APPLICATION NUMBER: US 09/333,159
PRIOR FILING DATE: 1999-06-14
PRIOR APPLICATION NUMBER: US 09/596,194
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 09/342,364
PRIOR FILING DATE: 1999-06-29
PRIOR APPLICATION NUMBER: US 09/608,452
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/393,996
PRIOR FILING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: US 09/602,871
PRIOR FILING DATE: 2000-06-23
PRIOR APPLICATION NUMBER: US 09/420,707
PRIOR FILING DATE: 1999-10-19
NUMBER OF SEQ ID NOS: 460
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 446
LENGTH: 760
TYPE: PRT
ORGANISM: Mus sp.
US-09-759-130B-446

Query Match
Best Local Similarity 100.0%; Score 24; DB 9; Length 760;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPO 5
Db 446 AVVPO 450

RESULT 13
US-09-836-392-16
Sequence 16, Application US/09836392
Patent No. US20020173458A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Protein Tyrosine Kinase Receptor Polynucleotides, Polypeptides, ar
TITLE OF INVENTION: Antibodies
FILE REFERENCE: PT020P1
CURRENT APPLICATION NUMBER: US/09/836,392
CURRENT FILING DATE: 2001-04-18
PRIOR APPLICATION NUMBER: PCT/US00/28066
PRIOR FILING DATE: 2000-10-11
PRIOR APPLICATION NUMBER: 60/159,542
PRIOR FILING DATE: 1999-10-15
PRIOR APPLICATION NUMBER: 60/165,914
PRIOR FILING DATE: 1999-11-17
PRIOR APPLICATION NUMBER: 60/189,027
PRIOR FILING DATE: 2000-03-14
NUMBER OF SEQ ID NOS: 34
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 16
LENGTH: 1134
TYPE: PRT
ORGANISM: Homo sapiens
US-09-836-392-16

Query Match
Best Local Similarity 100.0%; Score 24; DB 9; Length 1134;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPO 5
Db 1011 AVVPO 1015

RESULT 14
US-09-862-027-78
Sequence 78, Application US/09862027
Patent No. US20020142428A1
GENERAL INFORMATION:
APPLICANT: Hodge, Martin R.
TITLE OF INVENTION: No. US20020142428A1 Kinases and Uses Thereof
FILE REFERENCE: 35800/234862
CURRENT APPLICATION NUMBER: US/09/862,027
CURRENT FILING DATE: 2001-05-21
PRIOR APPLICATION NUMBER: US 09/345,473
PRIOR FILING DATE: 1999-06-30
NUMBER OF SEQ ID NOS: 82
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 78
LENGTH: 1237
TYPE: PRT
ORGANISM: Homo sapiens
US-09-862-027-78

Query Match
Best Local Similarity 100.0%; Score 24; DB 10; Length 1237;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVVPO 5
Db 1114 AVVPO 1118

RESULT 15
US-10-101-388-3
Sequence 3, Application US/10101388
Patent No. US20020162142A1
GENERAL INFORMATION:
APPLICANT: Jhal, Gurmugh S
APPLICANT: Multani, Dilbag S

; APPLICANT: Briggs, Steven P
 ; TITLE OF INVENTION: GENES AND METHODS FOR MANIPULATION OF GROWTH
 ; FILE REFERENCE: 5718-81 (035718/205794)
 ; CURRENT APPLICATION NUMBER: US/10/101,388
 ; CURRENT FILING DATE: 2002-03-19
 ; PRIOR APPLICATION NUMBER: 09/711,562
 ; PRIOR FILING DATE: 2000-11-13
 ; PRIOR APPLICATION NUMBER: 60/164,886
 ; PRIOR FILING DATE: 1999-11-12
 ; NUMBER OF SEQ ID NOS: 3
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 1394
 ; TYPE: PRT
 ; ORGANISM: Zea mays
 US-10-101-388-3

Query Match 100.0%; Score 24; DB 9; Length 1394;
 Best Local Similarity 100.0%; Pred. No. 1.7e+03;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
 Db 1200 AVVPQ 1204

Search completed: April 16, 2003, 09:51:41
 Job time : 11 secs

GenCore version 5.1.4.P5 4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:02 ; Search time 8.69565 Seconds
(without alignments)
16.918 Million cell updates/sec

Title: US-09-580-156d-45
Perfect score: 24
Sequence: 1 AVVPQ 5

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents_AA:*
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6: /cgn2_6/prodata/1/iaa/backfile1 pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	24	100.0	16	1	US-09-500-651-4 Sequence 4, Appl1
2	24	100.0	16	2	US-08-813-591-4 Sequence 4, Appl1
3	24	100.0	252	4	US-08-858-207A-325 Sequence 325, App
4	24	100.0	485	1	US-07-881-075-1 Sequence 1, Appl1
5	24	100.0	485	1	US-08-120-827-1 Sequence 1, Appl1
6	24	100.0	485	1	US-08-478-675-1 Sequence 1, Appl1
7	24	100.0	570	4	US-08-969-046-4 Sequence 4, Appl1
8	24	100.0	731	2	US-08-911-364-1 Sequence 1, Appl1
9	24	100.0	733	4	US-08-464-700-2 Sequence 2, Appl1
10	24	100.0	732	4	US-08-678-039A-40 Sequence 40, Appl1
11	23	95.8	77	3	US-09-100-804-17 Sequence 17, Appl1
12	23	95.8	97	1	US-08-410-804-3 Sequence 3, Appl1
13	23	95.8	97	1	US-08-259-514-3 Sequence 3, Appl1
14	23	95.8	97	2	US-08-858-311-3 Sequence 3, Appl1
15	23	95.8	282	4	US-09-134-001C-4308 Sequence 4308, Ap
16	23	95.8	413	1	US-08-485-618-101 Sequence 101, App
17	23	95.8	413	2	US-08-605-672-101 Sequence 101, App
18	23	95.8	413	2	US-08-482-293A-101 Sequence 101, App
19	23	95.8	413	2	US-08-943-363-101 Sequence 101, App
20	23	95.8	413	4	US-09-193-043-101 Sequence 101, App
21	23	95.8	413	4	US-09-688-307A-101 Sequence 101, App
22	23	95.8	418	2	US-08-290-731C-13 Sequence 13, Appl1
23	23	95.8	467	4	US-09-129-112-19 Sequence 19, Appl1
24	23	95.8	467	4	US-09-426-568A-2 Sequence 2, Appl1
25	23	95.8	494	3	US-08-484-661A-39 Sequence 39, Appl1
26	23	95.8	494	3	US-08-656-664-39 Sequence 39, Appl1
27	23	95.8	494	5	PCT-US96-09641-39 Sequence 39, Appl1

28	23	95.8	503	4	US-09-068-195-24 Sequence 24, Appl1
29	23	95.8	571	3	US-08-484-661A-37 Sequence 37, Appl1
30	23	95.8	571	3	US-08-656-664-37 Sequence 37, Appl1
31	23	95.8	571	5	PCT-US96-09641-37 Sequence 37, Appl1
32	23	95.8	578	3	US-08-484-661A-11 Sequence 11, Appl1
33	23	95.8	578	3	US-08-656-664-11 Sequence 11, Appl1
34	23	95.8	578	5	PCT-US96-09641-11 Sequence 11, Appl1
35	23	95.8	610	1	US-08-410-804-1 Sequence 1, Appl1
36	23	95.8	610	1	US-08-259-514-1 Sequence 1, Appl1
37	23	95.8	610	2	US-08-858-311-1 Sequence 1, Appl1
38	23	95.8	610	3	US-08-484-661A-8 Sequence 8, Appl1
39	23	95.8	610	3	US-08-484-661A-16 Sequence 16, Appl1
40	23	95.8	610	3	US-08-484-661A-19 Sequence 19, Appl1
41	23	95.8	610	3	US-08-484-661A-23 Sequence 23, Appl1
42	23	95.8	610	3	US-08-484-661A-26 Sequence 26, Appl1
43	23	95.8	610	3	US-08-484-661A-29 Sequence 29, Appl1
44	23	95.8	610	3	US-08-484-661A-33 Sequence 33, Appl1
45	23	95.8	610	3	US-08-484-661A-35 Sequence 35, Appl1

ALIGNMENTS

RESULT 1
US-09-500-651-4
Sequence 4, Application US/09500651
GENERAL INFORMATION:
APPLICANT: ASANO, MINAO
APPLICANT: KAWAI, MITSUKO
APPLICANT: MIWA, TETSUYA
APPLICANT: NIO, NORIKI
TITLE OF INVENTION: AMINOPEPTIDASE GX, AND A METHOD OF
TITLE OF INVENTION: HYDROLYSING A PROTEIN WITH THE SAME
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESSES:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/500,651
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/813,591
FILING DATE:
APPLICATION DATA:
APPLICATION NUMBER: JP 030458/1997
FILING DATE: 14-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 10-845-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-500-651-4

Query Match 100.0%; Score 24; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
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|
|
DB 7 AVVPQ 11

RESULT 2

US-08-813-591-4
; Sequence 4, Application US/08813591
; Patent No. 5824534
; GENERAL INFORMATION:
; APPLICANT: ASANO, MINAO
; APPLICANT: KAMAI, MISAOKO
; APPLICANT: MIMA, TETSUYA
; APPLICANT: NIO, NORIKI
; TITLE OF INVENTION: AMINOPEPTIDASE GX, AND A METHOD OF
; TITLE OF INVENTION: HYDROLYSING A PROTEIN WITH THE SAME
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/813,591
; FILING DATE: 07-MAR-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 051848/1996
; FILING DATE: 08-MAR-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 030458/1997
; FILING DATE: 14-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 10-845-0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-813-591-4

Query Match 100.0%; Score 24; DB 2; Length 16;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
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|
|
DB 7 AVVPQ 11

RESULT 3
US-08-858-207A-325
; Sequence 325, Application US/08858207A
; Patent No. 6348328

; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Nicholas, Richard
; APPLICANT: Stodola, Robert
; TITLE OF INVENTION: No. 6348328e1 Compounds
; NUMBER OF SEQUENCES: 552
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/858,207A
; FILING DATE: 09-MAY-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/017670
; FILING DATE: 14-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmel, Edward R.
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50475
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 325:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6348328e
; US-08-858-207A-325

Query Match 100.0%; Score 24; DB 4; Length 252;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
|
|
|
|
|
DB 173 AVVPQ 177

RESULT 4
US-07-881-075-1
; Sequence 1, Application US/07881075
; Patent No. 5444149
; GENERAL INFORMATION:
; APPLICANT: KEENE, JACK D.
; APPLICANT: KING, PETER H.
; APPLICANT: LEVINE, TODD
; TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL IN THE
; TITLE OF INVENTION: RECOGNITION, BINDING AND EXPRESSION OF
; TITLE OF INVENTION: INVOLVED IN CELL GROWTH, NEOPLASIA AND
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/881,075
FILING DATE: 19920511
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Obion, No. 5444149man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 714-154-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)521-4500
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 485 amino acids
TYPE: AMINO ACID
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-07-881-075-1

Query Match 100.0%; Score 24; DB 1; Length 485;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPO 5
Db 119 AVVPO 123

RESULT 5
US-08-120-827-1
Sequence 1, Application US/08120827
Patent No. 5525495
GENERAL INFORMATION:
APPLICANT: KEENE, JACK D.
APPLICANT: KING, PETER H.
APPLICANT: LEVINE, TODD
TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL IN THE
TITLE OF INVENTION: RECOGNITION, BINDING AND EXPRESSION OF RIBONUCLEIC ACIDS
TITLE OF INVENTION: INVOLVED IN CELL GROWTH, NEOPLASIA AND IMMUNOREGULATION
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/120,827
FILING DATE: 15-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Obion, No. 5525495man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 714-158-0 CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)413-3000
TELEFAX: (703)413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 485 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-120-827-1

Query Match 100.0%; Score 24; DB 1; Length 485;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPO 5
Db 119 AVVPO 123

RESULT 6
US-08-478-675-1
Sequence 1, Application US/08478675
Patent No. 5773246
GENERAL INFORMATION:
APPLICANT: KEENE, JACK D.
APPLICANT: KING, PETER H.
APPLICANT: LEVINE, TODD
TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL IN THE
TITLE OF INVENTION: RECOGNITION, BINDING AND EXPRESSION OF RIBONUCLEIC ACIDS
TITLE OF INVENTION: INVOLVED IN CELL GROWTH, NEOPLASIA AND IMMUNOREGULATION
NUMBER OF SEQUENCES: 101
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,675
FILING DATE: 07-JUN-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/120,827
FILING DATE: 15-SEP-1993
ATTORNEY/AGENT INFORMATION:
NAME: Obion, No. 5773246man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 714-158-0 CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)413-3000
TELEFAX: (703)413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 485 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-478-675-1

Query Match 100.0%; Score 24; DB 1; Length 485;
Best Local Similarity 100.0%; Pred. No. 5.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPO 5
Db 119 AVVPO 123

RESULT 7

US-08-969-046-4
; Sequence 4, Application US/08969046B
; Patent No. 6455762
; GENERAL INFORMATION:
; APPLICANT: Chiang, Vincent Lee C.
; APPLICANT: Tsai, Chung-Yui
; APPLICANT: Hu, Wen-Jing
; TITLE OF INVENTION: Genetic engineering of trees through
; TITLE OF INVENTION: manipulation of lignin biosynthesis
; FILE REFERENCE: 881.003US1
; CURRENT APPLICATION NUMBER: US/08/969,046B
; CURRENT FILING DATE: 1997-11-12
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4
; LENGTH: 570
; TYPE: PRT
; ORGANISM: Populus tremuloides Michx.
US-08-969-046-4

Query Match 100.0%; Score 24; DB 4; Length 570;
Best Local Similarity 100.0%; Pred. No. 6.4e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
|||||
DB 493 AVVPQ 497

RESULT 8
US-08-911-364-1
; Sequence 1, Application US/08911364
; Patent No. 5969106
; GENERAL INFORMATION:
; APPLICANT: ROTHSTEIN, Aser
; APPLICANT: KEELY, Fred W.
; APPLICANT: ROTHSTEIN, Steven J.
; TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELED ON HUMAN
; TITLE OF INVENTION: ELASTIN AND OTHER FIBROUS PROTEINS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY & LARDNER
; STREET: 3000 K Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/911,364
; FILING DATE: 07-AUG-1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/023,552
; FILING DATE: 07-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bent, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 041082/0104
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 672-5300
; TELEFAX: (202) 672-5399
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 731 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide

US-08-911-364-1

Query Match 100.0%; Score 24; DB 2; Length 731;
Best Local Similarity 100.0%; Pred. No. 8.2e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVVPQ 5
|||||
DB 101 AVVPQ 105

RESULT 9
US-08-464-700-2
; Sequence 2, Application US/08464700
; Patent No. 6232458
; GENERAL INFORMATION:
; APPLICANT: WEISS, ANTHONY S
; APPLICANT: MARTIN, STEPHEN L
; TITLE OF INVENTION: SYNTHETIC POLYNUCLEOTIDES
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Spring House Corporate Cntr, PO Box 457
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,700
; FILING DATE: 7-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PL6520
; FILING DATE: 22-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PL9661
; FILING DATE: 28-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU93/00655
; FILING DATE: 16-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Maty E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: GHC3USA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-540-9200
; TELEFAX: 215-540-5818
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 733 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-464-700-2

QY 1 AVVPQ 5
|||||
DB 103 AVVPQ 107

RESULT 10
US-08-678-039A-40
; Sequence 40, Application US/08678039A
; Patent No. 5858662

GENERAL INFORMATION:
APPLICANT: Keating, Mark T.
TITLE OF INVENTION: Diagnosis of Williams Syndrome and
TITLE OF INVENTION: Williams Syndrome Cognitive Profile by Analysis of the
TITLE OF INVENTION: Presence or Absence of a LIM-Kinase Gene
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
STREET: 555 Thirteenth Street, N.W., Suite 701 East
CITY: Washington
STATE: DC
COUNTRY: U.S.A.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/678,039A
FILING DATE: 10-JUL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Saxe, Stephen A.
REGISTRATION NUMBER: 38,609
REFERENCE/DOCKET NUMBER: 2323-120A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-624-1589
TELEFAX: 202-783-6031
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 792 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-678-039A-40

Query Match 100.0%; Score 24; DB 2; Length 792;
Best Local Similarity 100.0%; Pred. No. 8.9e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVWPO 5
Db 127 AVWPO 131

RESULT 11
US-09-100-804-17
Sequence 17, Application US/09100804
Patent No. 6066472
GENERAL INFORMATION:
APPLICANT: GONEZ, LEONEL JORGE
APPLICANT: SARAS, JAN
APPLICANT: CLAESSON-WELSH, LENA
APPLICANT: HELDIN, CARL-HENRIK
TITLE OF INVENTION: PRIMARY STRUCTURE AND FUNCTIONAL
TITLE OF INVENTION: EXPRESSION OF NUCLEOTIDE SEQUENCES FOR NOVEL PROTEIN
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/100,804
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/596,291
FILING DATE: 09-AUG-1996
APPLICATION NUMBER: US 08/115,573
FILING DATE: 01-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/09943
FILING DATE: 01-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: L0461/7003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
TELEX:
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-09-100-804-17

Query Match 95.8%; Score 23; DB 3; Length 77;
Best Local Similarity 80.0%; Pred. No. 1.4e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVWPO 5
Db 27 AVWPO 31

RESULT 12
US-08-410-804-3
Sequence 3, Application US/08410804
Patent No. 5632994
GENERAL INFORMATION:
APPLICANT: Reed, John C.
APPLICANT: Sato, Takaki
TITLE OF INVENTION: PAS ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cathryn Campbell
STREET: 4370 La Jolla Village Drive, Ste 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/410,804
FILING DATE: 27-MAR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/259,514
FILING DATE: 14-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1389
TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 97 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-410-804-3

Query Match 95.8%; Score 23; DB 1; Length 97;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPQ 5
DB 28 AVIPQ 32

RESULT 13
US-08-259-514-3
Sequence 3, Application US/08259514
Patent No. 5747245
GENERAL INFORMATION:
APPLICANT: Reed, John C.
APPLICANT: Sato, Takaaki
TITLE OF INVENTION: FAS ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSER: Cathryn Campbell
STREET: 4370 La Jolla Village Drive, Ste 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/259,514
FILING DATE: 14-JUN-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9954
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 97 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-259-514-3

Query Match 95.8%; Score 23; DB 1; Length 97;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPQ 5
DB 28 AVIPQ 32

RESULT 14
US-08-858-311-3
Sequence 3, Application US/08858311
Patent No. 5876939
GENERAL INFORMATION:

APPLICANT: Reed, John C.
APPLICANT: Sato, Takaaki
TITLE OF INVENTION: FAS ASSOCIATED PROTEINS
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSER: Cathryn Campbell
STREET: 4370 La Jolla Village Drive, Ste 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,311
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/410,804
FILING DATE: 27-MAR-1995
APPLICATION NUMBER: US 08/259,514
FILING DATE: 14-JUN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1389
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 97 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-858-311-3

Query Match 95.8%; Score 23; DB 2; Length 97;
Best Local Similarity 80.0%; Pred. No. 1.8e+02;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVVPQ 5
DB 28 AVIPQ 32

RESULT 15
US-09-134-001C-4308
Sequence 4308, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 4308
LENGTH: 282
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4308

Query Match 95.8%; Score 23; DB 4; Length 282;
Best Local Similarity 80.0%; Pred. No. 5.2e+02;

Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AVVPQ 5
Db 205 AVVPQ 209

Search completed: April 16, 2003, 09:40:01
Job time : 9.69565 secs

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OM protein - protein search, using SW model

Run on: April 16, 2003, 09:38:18 ; Search time 24 Seconds
(without alignments)
38,983 Million cell updates/sec

Title: US-09-580-156D-46

Perfect score: 30

Sequence: 1 GAVVPQ 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 705215 seqs, 155932251 residues

Total number of hits satisfying chosen parameters: 705215

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents_AA_New:*
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2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep:*
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep:*
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*
5: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep:*
6: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:*
7: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	6	5 US-09-580-893C-44	Sequence 44, Appl
2	30	100.0	6	5 US-09-580-893C-46	Sequence 46, Appl
3	30	100.0	6	5 US-09-580-893C-48	Sequence 48, Appl
4	30	100.0	6	5 US-09-580-893D-44	Sequence 44, Appl
5	30	100.0	6	5 US-09-580-893D-46	Sequence 46, Appl
6	30	100.0	6	5 US-09-580-893D-48	Sequence 48, Appl
7	30	100.0	6	5 US-09-580-110E-44	Sequence 44, Appl
8	30	100.0	6	5 US-09-580-110E-46	Sequence 46, Appl
9	30	100.0	6	5 US-09-580-110E-48	Sequence 48, Appl
10	30	100.0	6	5 US-09-580-156D-44	Sequence 44, Appl
11	30	100.0	6	5 US-09-580-156D-46	Sequence 46, Appl
12	30	100.0	6	5 US-09-580-156D-48	Sequence 48, Appl
13	30	100.0	6	5 US-09-580-893C-51	Sequence 51, Appl
14	30	100.0	6	5 US-09-580-893C-54	Sequence 54, Appl
15	30	100.0	6	5 US-09-580-893D-51	Sequence 51, Appl
16	30	100.0	6	5 US-09-580-893D-54	Sequence 54, Appl
17	30	100.0	6	5 US-09-580-110E-51	Sequence 51, Appl
18	30	100.0	6	5 US-09-580-110E-54	Sequence 54, Appl
19	30	100.0	6	5 US-09-580-156D-51	Sequence 51, Appl
20	30	100.0	6	5 US-09-580-156D-54	Sequence 54, Appl
21	30	100.0	6	5 US-09-580-156D-54	Sequence 54, Appl
22	30	100.0	6	5 US-09-949-016-7229	Sequence 7229, Ap
23	30	100.0	6	5 US-09-949-016-7229	Sequence 7229, Ap
24	30	100.0	6	5 US-09-950-084-5810	Sequence 5810, Ap
25	30	100.0	6	5 US-09-950-084-5810	Sequence 5810, Ap
26	30	100.0	6	5 US-09-950-084-5810	Sequence 5810, Ap

27	30	100.0	711	6	US-10-210-172-38	Sequence 38, Appl
28	30	100.0	757	7	US-09-453-135-10289	Sequence 10289, A
29	30	100.0	757	7	US-09-453-135-10289	Sequence 10289, A
30	30	100.0	1983	6	US-10-282-122A-43976	Sequence 43976, A
31	30	100.0	86	1	PCT-US02-37272-9139	Sequence 9139, Ap
32	29	96.7	86	5	US-09-978-825-9139	Sequence 9139, Ap
33	29	96.7	86	6	US-10-057-498-9139	Sequence 9139, Ap
34	29	96.7	288	5	US-09-134-000C-5110	Sequence 5110, Ap
35	29	96.7	288	5	US-09-134-000C-5110	Sequence 5110, Ap
36	29	96.7	406	6	US-10-369-493-8863	Sequence 8863, Ap
37	29	96.7	638	6	US-10-369-493-17957	Sequence 17957, A
38	27	90.0	53	6	US-10-285-045-4	Sequence 4, Appl
39	27	90.0	53	6	US-10-284-660-4	Sequence 4, Appl
40	27	90.0	169	5	US-09-724-676A-96011	Sequence 96011, A
41	27	90.0	169	5	US-09-724-676A-96011	Sequence 96011, A
42	27	90.0	218	6	US-10-366-683-21934	Sequence 21934, A
43	27	90.0	318	6	US-10-282-122A-65138	Sequence 65138, A
44	27	90.0	328	6	US-10-282-122A-66068	Sequence 66068, A
45	27	90.0	375	6	US-10-375-039-48	Sequence 48, Appl

ALIGNMENTS

```
RESULT 1
US-09-580-893C-44
Sequence 44, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580, 893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 44
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: MOD_RES
LOCATION: (1)
OTHER INFORMATION: ACETYLATION
US-09-580-893C-44

Query Match          100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 66+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 GAVVPQ 6
Db      1 GAVVPQ 6

RESULT 2
US-09-580-893C-46
Sequence 46, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580, 893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 46
LENGTH: 6
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TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
US-09-580-893C-46

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6
DB 1 GAVVPO 6

RESULT 3
US-09-580-893C-48
Sequence 48, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 48
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (6)_RES
OTHER INFORMATION: AMIDATION
US-09-580-893C-48

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6
DB 1 GAVVPO 6

RESULT 4
US-09-580-893D-44
Sequence 44, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 44
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (1)_RES
OTHER INFORMATION: ACETYLATION
US-09-580-893D-44

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6
DB 1 GAVVPO 6

RESULT 5
US-09-580-893D-46
Sequence 46, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 46
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
US-09-580-893D-46

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6
DB 1 GAVVPO 6

RESULT 6
US-09-580-893D-48
Sequence 48, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 48
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
FEATURE:
NAME/KEY: MOD_RES
LOCATION: (6)_RES
OTHER INFORMATION: AMIDATION
US-09-580-893D-48

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6
DB 1 GAVVPO 6

RESULT 7
US-09-580-110E-44
; Sequence 44, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: Miltis, Thomas F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD_RES
; LOCATION: (1)-(1)
; OTHER INFORMATION: ACETYLATION
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)-(6)
; OTHER INFORMATION: AMIDATION
US-09-580-110E-44

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6
Db 1 GAVVPQ 6

RESULT 8
US-09-580-110E-46
; Sequence 46, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: Miltis, Thomas F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-46

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6
Db 1 GAVVPQ 6

RESULT 9
US-09-580-110E-48
; Sequence 48, Application US/09580110E
; GENERAL INFORMATION:

; APPLICANT: Miltis, Thomas F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD_RES
; LOCATION: (6)-(6)
; OTHER INFORMATION: AMIDATION
US-09-580-110E-48

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6
Db 1 GAVVPQ 6

RESULT 10
US-09-580-156D-44
; Sequence 44, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: MOD_RES
; LOCATION: (1)-(1)
; OTHER INFORMATION: ACETYLATION
US-09-580-156D-44

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6
Db 1 GAVVPQ 6

RESULT 11
US-09-580-156D-46
; Sequence 46, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.

;; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
;; FILE REFERENCE: 25812-5CIP
;; CURRENT APPLICATION NUMBER: US/09/580,156D
;; CURRENT FILING DATE: 2000-05-30
;; PRIOR APPLICATION NUMBER: 09/039,308 ✓
;; PRIOR FILING DATE: 1998-03-13
;; PRIOR APPLICATION NUMBER: PCT/US99/05496
;; PRIOR FILING DATE: 1999-03-12
;; NUMBER OF SEQ ID NOS: 54
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 46
;; LENGTH: 6
;; TYPE: PRT
;; ORGANISM: Artificial
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-156D-46

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
DB 1 GAVVPO 6

RESULT 12
US-09-580-156D-48
;; Sequence 48, Application US/09580156D
;; GENERAL INFORMATION:
;; APPLICANT: Lawrence, Sandberg B.
;; APPLICANT: Thomas, Miltz F.
;; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
;; FILE REFERENCE: 25812-5CIP
;; CURRENT APPLICATION NUMBER: US/09/580,156D
;; CURRENT FILING DATE: 2000-05-30
;; PRIOR APPLICATION NUMBER: 09/039,308
;; PRIOR FILING DATE: 1998-03-13
;; PRIOR APPLICATION NUMBER: PCT/US99/05496
;; PRIOR FILING DATE: 1999-03-12
;; NUMBER OF SEQ ID NOS: 54
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 48 ✓
;; LENGTH: 6
;; TYPE: PRT
;; ORGANISM: Artificial
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: peptide
;; NAME/KEY: MOD_RES
;; LOCATION: (6)..(6)
;; OTHER INFORMATION: AMIDATION
US-09-580-156D-48

Query Match 100.0%; Score 30; DB 5; Length 6;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
DB 1 GAVVPO 6

RESULT 13
US-09-580-893C-51
;; Sequence 51, Application US/09580893C
;; GENERAL INFORMATION:
;; APPLICANT: SANDBERG, LAWRENCE B
;; APPLICANT: MITTS, THOMAS F
;; APPLICANT: JIMENEZ JR, FELIPE
;; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
;; FILE REFERENCE: 00-144-US

;; CURRENT APPLICATION NUMBER: US/09/580,893C
;; CURRENT FILING DATE: 2002-10-08
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 51
;; LENGTH: 8
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Peptide
;; NAME/KEY: DISULFID
;; LOCATION: (1)..(8)
;; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893C-51

Query Match 100.0%; Score 30; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
DB 2 GAVVPO 7

RESULT 14
US-09-580-893C-54
;; Sequence 54, Application US/09580893C
;; GENERAL INFORMATION:
;; APPLICANT: SANDBERG, LAWRENCE B
;; APPLICANT: MITTS, THOMAS F
;; APPLICANT: JIMENEZ JR, FELIPE
;; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
;; FILE REFERENCE: 00-144-US
;; CURRENT APPLICATION NUMBER: US/09/580,893C
;; CURRENT FILING DATE: 2002-10-08
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 54
;; LENGTH: 8
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: peptide
;; NAME/KEY: METAL
;; LOCATION: (1)..(8)
;; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATIONS 1 AND 8
US-09-580-893C-54

Query Match 100.0%; Score 30; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
DB 2 GAVVPO 7

RESULT 15
US-09-580-893D-51
;; Sequence 51, Application US/09580893D
;; GENERAL INFORMATION:
;; APPLICANT: SANDBERG, LAWRENCE B
;; APPLICANT: MITTS, THOMAS F
;; APPLICANT: JIMENEZ JR, FELIPE
;; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
;; FILE REFERENCE: 00-144-US
;; CURRENT APPLICATION NUMBER: US/09/580,893D
;; CURRENT FILING DATE: 2002-10-08
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 51

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; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893D-51

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Query Match 100.0%; Score 30; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
Db 2 GAVVPO 7

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Search completed: April 16, 2003, 09:50:49
Job time : 25 secs

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OM protein - protein search, using sw model1

Run on: April 16, 2003, 09:32:41 Search time 141.391 Seconds
(without alignments)
27.360 Million cell updates/sec

Title: US-09-580-156D-46

Perfect score: 30

Sequence: 1 GAVVPQ 6

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Pending Patents AA Main:
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2: /cgn2_6/prodata/1/paa/US06_COMB.pep.*
3: /cgn2_6/prodata/1/paa/US08_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	6	US-09-584-001-44	Sequence 44, Appl
2	30	100.0	6	US-09-584-001-46	Sequence 46, Appl
3	30	100.0	6	US-09-584-001-48	Sequence 48, Appl
4	30	100.0	6	US-09-584-001C-44	Sequence 44, Appl
5	30	100.0	6	US-09-584-001C-46	Sequence 46, Appl
6	30	100.0	6	US-09-584-001C-48	Sequence 48, Appl

7	30	100.0	8	US-09-584-001-51	Sequence 51, Appl
8	30	100.0	8	US-09-584-001-54	Sequence 54, Appl
9	30	100.0	8	US-09-584-001C-51	Sequence 51, Appl
10	30	100.0	8	US-09-584-001C-54	Sequence 54, Appl
11	30	100.0	24	US-09-709-947-18	Sequence 18, Appl
12	30	100.0	24	US-09-709-954-18	Sequence 18, Appl
13	30	100.0	233	US-09-708-427-78482	Sequence 78482, A
14	30	100.0	235	US-09-708-427-53468	Sequence 53468, A
15	30	100.0	240	US-09-708-427-78481	Sequence 78481, A
16	30	100.0	242	US-09-708-427-53467	Sequence 53467, A
17	30	100.0	254	US-09-708-427-78480	Sequence 78480, A
18	30	100.0	256	US-09-708-427-53466	Sequence 53466, A
19	30	100.0	297	US-09-791-537-3637	Sequence 3637, Ap
20	30	100.0	473	US-10-015-127-12487	Sequence 12487, A
21	30	100.0	500	US-09-709-947-22	Sequence 22, Appl
22	30	100.0	500	US-09-709-954-22	Sequence 22, Appl
23	30	100.0	500	US-09-791-537-42641	Sequence 42641, A
24	30	100.0	515	US-09-743-818-71	Sequence 71, Appl
25	30	100.0	549	US-09-760-469-1054	Sequence 1054, Ap
26	30	100.0	549	US-10-216-583-1054	Sequence 1054, Ap
27	30	100.0	571	US-09-743-818-7	Sequence 7, Appl
28	30	100.0	577	PCT-US02-17382-189	Sequence 189, App
29	30	100.0	577	US-09-538-092-1061	Sequence 1061, Ap
30	30	100.0	577	US-09-709-947-23	Sequence 23, Appl
31	30	100.0	577	US-09-709-954-23	Sequence 23, Appl
32	30	100.0	577	US-09-791-537-86072	Sequence 86072, A
33	30	100.0	617	US-10-104-047-2915	Sequence 2915, Ap
34	30	100.0	660	US-09-463-091-5	Sequence 5, Appl
35	30	100.0	660	US-09-743-818-6	Sequence 6, Appl
36	30	100.0	663	US-10-108-260A-2477	Sequence 2477, Ap
37	30	100.0	698	US-09-463-091-3	Sequence 3, Appl
38	30	100.0	698	US-09-743-818-5	Sequence 5, Appl
39	30	100.0	700	US-08-827-356-4150	Sequence 4150, Ap
40	30	100.0	700	US-09-611-528-5810	Sequence 5810, Ap
41	30	100.0	712	US-09-554-996-3	Sequence 3, Appl
42	30	100.0	712	US-09-554-996-8	Sequence 8, Appl
43	30	100.0	730	US-09-961-402-8	Sequence 1, Appl
44	30	100.0	731	US-09-340-736-1	Sequence 1, Appl
45	30	100.0	731	US-09-340-736A-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-09-584-001-44 Application US/09584001
Sequence 44, Appl
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE
APPLICANT: MITTS, THOMAS F.
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
FILE REFERENCE: 99494US
CURRENT APPLICATION NUMBER: US/09/584,001
CURRENT FILING DATE: 2000-05-30
EARLIER APPLICATION NUMBER: 09/039,308
EARLIER FILING DATE: 1998-03-13
EARLIER APPLICATION NUMBER: PCT/US99/05496
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 75
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 44
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
NAME/KEY: MOD_RSS
LOCATION: (1)_RSS
OTHER INFORMATION: ACETYLATION
US-09-584-001-44
Query Match 100.0%; Score 30; DB 19; Length 6;

Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAVVPO 6
Db 1 GAVVPO 6

RESULT 2
US-09-584-001-46
; Sequence 46, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584,001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-584-001-46

Query Match 100.0%; Score 30; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAVVPO 6
Db 1 GAVVPO 6

RESULT 3
US-09-584-001-48
; Sequence 48, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584,001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-584-001-48

Query Match 100.0%; Score 30; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
Db 1 GAVVPO 6

RESULT 4
US-09-584-001C-44
; Sequence 44, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584,001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 6
; TYPE: PRT
; ORGANISM: mammalian
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)
; OTHER INFORMATION: ACETYLATION
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (6)
; OTHER INFORMATION: AMIDATION
US-09-584-001C-44

Query Match 100.0%; Score 30; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAVVPO 6
Db 1 GAVVPO 6

RESULT 5
US-09-584-001C-46
; Sequence 46, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584,001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 6
; TYPE: PRT
; ORGANISM: mammalian
US-09-584-001C-46

Query Match 100.0%; Score 30; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GAVVPO 6
Db 1 GAVVPO 6

RESULT 6
US-09-584-001C-48
; Sequence 48, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.

;; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
;; FILE REFERENCE: 25812-11
;; CURRENT APPLICATION NUMBER: US/09/584,001C
;; CURRENT FILING DATE: 2002-04-30
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: Patentln Ver. 2.1
;; SEQ ID NO 48
;; LENGTH: 6
;; TYPE: PRT
;; ORGANISM: mammalian
;; FEATURE:
;; NAME/KEY: MOD_RES
;; LOCATION: (6)
;; OTHER INFORMATION: AMIDATION
US-09-584-001C-48

Query Match 100.0%; Score 30; DB 19; Length 6;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
Db 1 GAVVPO 6

RESULT 7
US-09-584-001-51
;; Sequence 51, Application US/09584001
;; GENERAL INFORMATION:
;; APPLICANT: SANDBERG, LAWRENCE
;; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
;; FILE REFERENCE: 99494US
;; CURRENT APPLICATION NUMBER: US/09/584,001
;; CURRENT FILING DATE: 2000-05-30
;; EARLIER APPLICATION NUMBER: 09/039,308
;; EARLIER FILING DATE: 1998-03-13
;; EARLIER APPLICATION NUMBER: PCT/US99/05496
;; EARLIER FILING DATE: 1999-03-12
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: Patentln Ver. 2.1
;; SEQ ID NO 51
;; LENGTH: 8
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: peptide
;; NAME/KEY: DISULFID
;; LOCATION: (1)-(8)
;; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-584-001-51

Query Match 100.0%; Score 30; DB 19; Length 8;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
Db 2 GAVVPO 7

RESULT 8
US-09-584-001-54
;; Sequence 54, Application US/09584001
;; GENERAL INFORMATION:
;; APPLICANT: SANDBERG, LAWRENCE
;; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
;; FILE REFERENCE: 99494US
;; CURRENT APPLICATION NUMBER: US/09/584,001
;; CURRENT FILING DATE: 2000-05-30
;; EARLIER APPLICATION NUMBER: 09/039,308

;; EARLIER FILING DATE: 1998-03-13
;; EARLIER APPLICATION NUMBER: PCT/US99/05496
;; EARLIER FILING DATE: 1999-03-12
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: Patentln Ver. 2.1
;; SEQ ID NO 54
;; LENGTH: 8
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: peptide
;; NAME/KEY: METAL
;; LOCATION: (1)-(8)
;; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8
US-09-584-001-54

Query Match 100.0%; Score 30; DB 19; Length 8;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
Db 2 GAVVPO 7

RESULT 9
US-09-584-001C-51
;; Sequence 51, Application US/09584001C
;; GENERAL INFORMATION:
;; APPLICANT: Miltis, Thomas F.
;; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
;; FILE REFERENCE: 25812-11
;; CURRENT APPLICATION NUMBER: US/09/584,001C
;; CURRENT FILING DATE: 2002-04-30
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: Patentln Ver. 2.1
;; SEQ ID NO 51
;; LENGTH: 8
;; TYPE: PRT
;; ORGANISM: mammalian
US-09-584-001C-51

Query Match 100.0%; Score 30; DB 19; Length 8;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
Db 2 GAVVPO 7

RESULT 10
US-09-584-001C-54
;; Sequence 54, Application US/09584001C
;; GENERAL INFORMATION:
;; APPLICANT: Miltis, Thomas F.
;; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
;; FILE REFERENCE: 25812-11
;; CURRENT APPLICATION NUMBER: US/09/584,001C
;; CURRENT FILING DATE: 2002-04-30
;; NUMBER OF SEQ ID NOS: 75
;; SOFTWARE: Patentln Ver. 2.1
;; SEQ ID NO 54
;; LENGTH: 8
;; TYPE: PRT
;; ORGANISM: mammalian
US-09-584-001C-54

Query Match 100.0%; Score 30; DB 19; Length 8;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAVVPO 6
|||
Db 2 GAVVPO 7

RESULT 11
US-09-709-947-18
; Sequence 18, Application US/09709947
; GENERAL INFORMATION:
; APPLICANT: Watkins, Brynmor
; TITLE OF INVENTION: Materials and Methods for Detection and Treatment of
; TITLE OF INVENTION: Breast Cancer
; FILE REFERENCE: MTP-024
; CURRENT APPLICATION NUMBER: US/09/709,947
; CURRENT FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: US 60/165,173
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: US 60/172,170
; PRIOR FILING DATE: 1999-12-17
; PRIOR APPLICATION NUMBER: US 60/178,860
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/201,721
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:tryptic peptide
US-09-709-947-18

Query Match 100.0%; Score 30; DB 21; Length 24;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
|||
Db 16 GAVVPO 21

RESULT 12
US-09-709-954-18
; Sequence 18, Application US/09709954
; GENERAL INFORMATION:
; APPLICANT: Watkins, Brynmor
; TITLE OF INVENTION: Methods and Compositions for Identifying Disease
; TITLE OF INVENTION: Markers
; FILE REFERENCE: MTP-026
; CURRENT APPLICATION NUMBER: US/09/709,954
; CURRENT FILING DATE: 2000-11-10
; PRIOR APPLICATION NUMBER: US 60/165,173
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: US 60/172,170
; PRIOR FILING DATE: 1999-12-17
; PRIOR APPLICATION NUMBER: US 60/178,860
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/201,721
; PRIOR FILING DATE: 2000-05-03
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
; LENGTH: 24
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:tryptic peptide
US-09-709-954-18

Query Match 100.0%; Score 30; DB 21; Length 24;

Best Local Similarity 100.0%; Pred. No. 28;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GAVVPO 6
|||
Db 16 GAVVPO 21

RESULT 13
US-09-708-427-78482
; Sequence 78482, Application US/09708427
; GENERAL INFORMATION:
; APPLICANT: N. ALEXANDROV et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; TITLE OF INVENTION: THEREBY
; FILE REFERENCE: 2750-1243P
; CURRENT APPLICATION NUMBER: US/09/708,427
; CURRENT FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 85364
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78482
; LENGTH: 233
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..233
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: misc_feature
; LOCATION: 1..233
; OTHER INFORMATION: Ceres Seq. ID 1962954
US-09-708-427-78482

Query Match 100.0%; Score 30; DB 21; Length 233;
Best Local Similarity 100.0%; Pred. No. 3,9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
|||
Db 85 GAVVPO 90

RESULT 14
US-09-708-427-53468
; Sequence 53468, Application US/09708427
; GENERAL INFORMATION:
; APPLICANT: N. ALEXANDROV et al.
; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
; TITLE OF INVENTION: THEREBY
; FILE REFERENCE: 2750-1243P
; CURRENT APPLICATION NUMBER: US/09/708,427
; CURRENT FILING DATE: 2000-11-09
; NUMBER OF SEQ ID NOS: 85364
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 53468
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Zea mays subsp. mays
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..235
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: misc_feature
; LOCATION: 1..235
; OTHER INFORMATION: Ceres Seq. ID 1931311
US-09-708-427-53468

Query Match 100.0%; Score 30; DB 21; Length 235;
Best Local Similarity 100.0%; Pred. No. 3,9e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
|||
Db 16 GAVVPO 21

Db 85 GAVVPQ 90

RESULT 15

US-09-708-427-78481
 ; Sequence 78481, Application US/09708427
 ; GENERAL INFORMATION:
 ; APPLICANT: N. ALEXANDROV et al.
 ; TITLE OF INVENTION: SEQUENCE-DETERMINED DNA FRAGMENTS AND CORRESPONDING POLYPEPTIDES
 ; TITLE OF INVENTION: THEREBY
 ; FILE REFERENCE: 2750-1243P
 ; CURRENT APPLICATION NUMBER: US/09/708,427
 ; CURRENT FILING DATE: 2000-11-09
 ; NUMBER OF SEQ ID NOS: 85364
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 78481
 ; LENGTH: 240
 ; TYPE: PRT
 ; ORGANISM: Zea mays subsp. mays
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; LOCATION: 1..240
 ; OTHER INFORMATION: Xaa is any amino acid
 ; NAME/KEY: misc feature
 ; LOCATION: 1..240
 ; OTHER INFORMATION: Ceres Seq. ID 1962953
 US-09-708-427-78481

Query Match 100.0%; Score 30; DB 21; Length 240;

Best Local Similarity 100.0%; Pred. No. 4e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPQ 6
 |||||
 Db 92 GAVVPQ 97

Search completed: April 16, 2003, 09:49:12
 Job time : 143.391 secs

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GenCore version 5.1.4.p5 4578
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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:56 ; Search time 12 Seconds
(without alignments)
37.807 Million cell updates/sec

Title: US-09-580-156D-46

Perfect score: 30

Sequence: 1 GAVVPQ 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 288829 seqs, 75613885 residues

Total number of hits satisfying chosen parameters: 288829

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*
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3: /cgn2_6/ptodata/1/pubppaa/US06_NEW_PUB pep.*
4: /cgn2_6/ptodata/1/pubppaa/US07_NEW_PUB pep.*
5: /cgn2_6/ptodata/1/pubppaa/US07_PUBCOMB pep.*
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9: /cgn2_6/ptodata/1/pubppaa/US09_NEW_PUB pep.*
10: /cgn2_6/ptodata/1/pubppaa/US09_PUBCOMB pep.*
11: /cgn2_6/ptodata/1/pubppaa/US10_NEW_PUB pep.*
12: /cgn2_6/ptodata/1/pubppaa/US10_PUBCOMB pep.*
13: /cgn2_6/ptodata/1/pubppaa/US60_NEW_PUB pep.*
14: /cgn2_6/ptodata/1/pubppaa/US60_PUBCOMB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	30	100.0	2076	10 US-09-815-242-5815	Sequence 5815, Ap
2	30	100.0	2186	10 US-09-815-242-12913	Sequence 12913, A
3	29	96.7	491	10 US-09-997-900-2	Sequence 2, Appl1
4	28	93.3	1066	9 US-09-423-126-3	Sequence 3, Appl1
5	28	93.3	1066	10 US-09-280-197-5	Sequence 5, Appl1
6	28	93.3	1070	9 US-09-423-126-4	Sequence 4, Appl1
7	28	93.3	1070	10 US-09-280-197-6	Sequence 6, Appl1
8	27	90.0	343	10 US-09-864-761-43664	Sequence 43664, A
9	26	86.7	307	9 US-10-224-413-5	Sequence 5, Appl1
10	26	86.7	360	9 US-10-224-413-4	Sequence 4, Appl1
11	26	86.7	527	9 US-09-712-363-156	Sequence 156, App
12	26	86.7	651	9 US-10-186-399-2	Sequence 2, Appl1
13	26	86.7	661	9 US-10-160-865-14	Sequence 10, Appl1
14	26	86.7	745	9 US-09-844-988-10	Sequence 10, Appl1
15	26	86.7	745	10 US-09-796-872-2	Sequence 2, Appl1
16	26	86.7	745	10 US-09-844-908-10	Sequence 10, Appl1
17	26	86.7	793	9 US-09-990-046-16	Sequence 16, Appl1
18	26	86.7	793	9 US-09-990-046-17	Sequence 17, Appl1
19	26	86.7	803	9 US-09-990-046-15	Sequence 15, Appl1

20	26	86.7	818	10 US-09-833-790-366	Sequence 366, App
21	25	86.7	1261	9 US-10-175-158-2	Sequence 2, Appl1
22	25	83.3	32	10 US-09-864-761-34673	Sequence 34673, A
23	25	83.3	38	10 US-09-864-761-34467	Sequence 34467, A
24	25	83.3	57	9 US-09-983-802-275	Sequence 275, App
25	25	83.3	72	9 US-09-925-299-1019	Sequence 1019, Ap
26	25	83.3	72	10 US-09-925-299-1019	Sequence 1019, Ap
27	25	83.3	234	10 US-10-078-770-32	Sequence 32, Appl1
28	25	83.3	239	10 US-09-815-242-5146	Sequence 5146, Ap
29	25	83.3	260	9 US-10-005-306-1	Sequence 1, Appl1
30	25	83.3	260	9 US-10-005-306-2	Sequence 2, Appl1
31	25	83.3	260	9 US-10-005-306-3	Sequence 3, Appl1
32	25	83.3	260	9 US-10-005-306-4	Sequence 4, Appl1
33	25	83.3	260	9 US-10-005-306-5	Sequence 5, Appl1
34	25	83.3	260	9 US-10-005-306-6	Sequence 6, Appl1
35	25	83.3	260	9 US-10-005-306-7	Sequence 7, Appl1
36	25	83.3	260	9 US-10-005-306-8	Sequence 8, Appl1
37	25	83.3	260	9 US-10-005-306-9	Sequence 9, Appl1
38	25	83.3	260	9 US-10-005-306-10	Sequence 10, Appl1
39	25	83.3	260	9 US-10-005-306-11	Sequence 11, Appl1
40	25	83.3	260	9 US-10-005-306-12	Sequence 12, Appl1
41	25	83.3	260	9 US-10-005-306-13	Sequence 13, Appl1
42	25	83.3	260	9 US-10-005-306-14	Sequence 14, Appl1
43	25	83.3	260	9 US-10-005-306-15	Sequence 15, Appl1
44	25	83.3	260	9 US-10-005-306-16	Sequence 16, Appl1
45	25	83.3	260	9 US-10-005-306-17	Sequence 17, Appl1

ALIGNMENTS

RESULT 1
US-09-815-242-5815
; Sequence 5815, Application US/09815242
; Patent No. US200200615699A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5815
; LENGTH: 2076
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
; US-09-815-242-5815
Query Match 100.0%; Score 30; DB 10; Length 2076;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVPQ 6
|||||

Db 803 GAVPQ 808

RESULT 2

US-09-815-242-12913

; Sequence 12913, Application US/09815242
; Patent No. US20020061569A1

; GENERAL INFORMATION:

; APPLICANT: Haseibeck, Robert

; APPLICANT: Ohlsen, Karl L.

; APPLICANT: Zykling, Judith W.

; APPLICANT: Wall, Daniel

; APPLICANT: Trawick, John D.

; APPLICANT: Carr, Grant J.

; APPLICANT: Yamamoto, Robert T.

; TITLE OF INVENTION: Identification of Essential Genes in

; FILE REFERENCE: ELITRA.011A

; CURRENT FILING DATE: 2001-03-21

; PRIOR FILING DATE: 2001-03-21

; PRIOR FILING DATE: 2000-03-21

; PRIOR FILING DATE: 2000-03-21

; PRIOR FILING DATE: 2000-05-23

; PRIOR FILING DATE: 2000-05-26

; PRIOR FILING DATE: 2000-05-26

; PRIOR FILING DATE: 2000-10-23

; PRIOR FILING DATE: 2000-11-27

; PRIOR FILING DATE: 2000-12-22

; PRIOR FILING DATE: 2000-12-22

; PRIOR FILING DATE: 2001-02-16

; NUMBER OF SEQ ID NOS: 14110

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 12913

; LENGTH: 2186

; TYPE: PRT

; ORGANISM: Staphylococcus aureus

; US-09-815-242-12913

Query Match 100.0%; Score 30; DB 10; Length 2186;
Best Local Similarity 100.0%; Pred. No. 2.8e+02;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVPQ 6
|||||

Db 803 GAVPQ 808

RESULT 3

US-09-997-900-2

; Sequence 2, Application US/09997900

; Patent No. US20020053098A1

; GENERAL INFORMATION:

; APPLICANT: Kakefuda, Genichi

; APPLICANT: Costello, Colleen

; APPLICANT: Sun, Ming

; APPLICANT: Hu, Weiming

; TITLE OF INVENTION: Genes and Vectors for Conferring Herbicide Resistance

; FILE REFERENCE: 043753/241148 (5849-20A)

; CURRENT FILING DATE: US/09/997,900

; PRIOR FILING DATE: 2001-11-30

; PRIOR FILING DATE: 1998-10-29

; PRIOR FILING DATE: 09/426,568

; PRIOR FILING DATE: 1999-10-22

; NUMBER OF SEQ ID NOS: 11

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 491

; TYPE: PRT

; ORGANISM: Arabidopsis sp.

; US-09-997-900-2

Query Match 96.7%; Score 29; DB 10; Length 491;

Best Local Similarity 83.3%; Pred. No. 96;

Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVPQ 6
|||||

Db 273 GAVPQ 278

RESULT 4

US-09-423-126-3

; Sequence 3, Application US/09423126

; Patent No. US20020170083A1

; GENERAL INFORMATION:

; APPLICANT: Buchter-Larsen, et al.

; TITLE OF INVENTION: A PROCESS OF PREPARING AN ANTI-OXIDANT

; FILE REFERENCE: 674509-2020

; CURRENT FILING DATE: US/09/423,126

; PRIOR FILING DATE: 1999-11-05

; PRIOR FILING DATE: 1998-05-06

; PRIOR FILING DATE: 1997-05-06

; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 3

; LENGTH: 1066

; TYPE: PRT

; ORGANISM: Unknown

; FEATURE:

; OTHER INFORMATION: fungus sp. or fungus infected gracilariopsis sp.

; US-09-423-126-3

Query Match 93.3%; Score 28; DB 9; Length 1066;

Best Local Similarity 66.7%; Pred. No. 3.7e+02;

Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVPQ 6
|||||

Db 880 GAVPQ 885

RESULT 5

US-09-280-197-5

; Sequence 5, Application US/09280197

; Patent No. US20020142403A1

; GENERAL INFORMATION:

; APPLICANT: Yu, Shukun

; APPLICANT: Bojken, Kirsten

; APPLICANT: Kragh, Karsten

; APPLICANT: Bojko, Maja

; APPLICANT: Nielsen, John

; APPLICANT: Marcussen, Jan

; TITLE OF INVENTION: USE OF -1,4-GLUCAN LYASE FOR PREPARATION OF

; TITLE OF INVENTION: 1,5-D-AMHYDROFLUCTOSE

; NUMBER OF SEQUENCES: 39

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Krobbe, Martens, Olsson & Bear

; STREET: 620 Newport Center Drive 16th Floor

; CITY: Newport Beach

; STATE: CA

; COUNTRY: U.S.A.

; ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/280,197
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/633,719
FILING DATE: July 8, 1996
APPLICATION NUMBER: PCT/EP94/03397
FILING DATE: OCT-15-1994
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: DY05.001APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1066 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-280-197-5

Query Match 93.3%; Score 28; DB 10; Length 1066;
Best Local Similarity 66.7%; Pred. No. 3,7e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
DB 880 GAIIPQ 885

RESULT 6
US-09-423-126-4
Sequence 4, Application US/09423126
Patent No. US20020170083A1
GENERAL INFORMATION:
APPLICANT: Buchter-Larsen, et al.
TITLE OF INVENTION: A PROCESS OF PREPARING AN ANTI-OXIDANT
FILE REFERENCE: 674509-2020
CURRENT APPLICATION NUMBER: US/09/423,126
PRIOR FILING DATE: 1999-11-05
PRIOR APPLICATION NUMBER: PCT/IB96/00708
PRIOR FILING DATE: 1998-05-06
PRIOR APPLICATION NUMBER: GB 9709161.5
PRIOR FILING DATE: 1997-05-06
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin version 3.0
SEQ ID NO 4
LENGTH: 1070
TYPE: PRT
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: fungus sp. or fungus infected gracilariopsis sp.
US-09-423-126-4

Query Match 93.3%; Score 28; DB 9; Length 1070;
Best Local Similarity 66.7%; Pred. No. 3,7e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
DB 879 GAIIPQ 884

RESULT 7

US-09-280-197-6
Sequence 6, Application US/09280197
Patent No. US20020142403A1
GENERAL INFORMATION:
APPLICANT: Yu, Shukun
APPLICANT: Bojsen, Kirsten
APPLICANT: Kragh, Karsten
APPLICANT: Bojko, Maja
APPLICANT: Nielsen, John
APPLICANT: Marcussen, Jan
APPLICANT: Christensen, Tove
TITLE OF INVENTION: USE OF '-1,4-GLUCAN LYASE FOR PREPARATION OF
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/280,197
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/633,719
FILING DATE: July 8, 1996
APPLICATION NUMBER: PCT/EP94/03397
FILING DATE: OCT-15-1994
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: DY05.001APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
TELEX:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 1070 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-280-197-6

Query Match 93.3%; Score 28; DB 10; Length 1070;
Best Local Similarity 66.7%; Pred. No. 3,7e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
DB 879 GAIIPQ 884

RESULT 8
US-09-864-761-43664
Sequence 43664, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
FILE REFERENCE: Aecmca-X-1
CURRENT APPLICATION NUMBER: US/09/864,761

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; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 43664
; LENGTH: 343
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005104.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.88
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2
; OTHER INFORMATION: EST HUMAN HIT: BE901608.1, EVALUE 8.00e-63
; OTHER INFORMATION: SWISSPROT HIT: Q11103, EVALUE 5.20e-00
US-09-864-761-43664
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Query Match          90.0%; Score 27; DB 10; Length 343;
Best Local Similarity 83.3%; Pred. No. 1.8e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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```
Oy 1 GAVVPQ 6
    |||||
Db 183 GSVVPQ 188
```

```

RESULT 9
US-10-224-413-5
; Sequence 5, Application US/10224413
; Publication No. US20030013167A1
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
```

```

; FILE REFERENCE: C1001169
; CURRENT APPLICATION NUMBER: US/10/224,413
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/810,347
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Human
US-10-224-413-5
```

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Query Match          86.7%; Score 26; DB 9; Length 307;
Best Local Similarity 66.7%; Pred. No. 2.8e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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```
Oy 1 GAVVPQ 6
    |||||
Db 299 GSVVPQ 304
```

```

RESULT 10
US-10-224-413-4
; Sequence 4, Application US/10224413
; Publication No. US20030013167A1
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: C1001169
; CURRENT APPLICATION NUMBER: US/10/224,413
; CURRENT FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: 09/810,347
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 360
; TYPE: PRT
; ORGANISM: Human
US-10-224-413-4
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Query Match          86.7%; Score 26; DB 9; Length 360;
Best Local Similarity 66.7%; Pred. No. 3.3e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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```
Oy 1 GAVVPQ 6
    |||||
Db 352 GSVVPQ 357
```

```

RESULT 11
US-09-712-363-156
; Sequence 156, Application US/09712363
; Patent No. US20020164588A1
; GENERAL INFORMATION:
; APPLICANT: Eisenberg, David
; APPLICANT: Rotstein, Sergio H.
; APPLICANT: Marcotte, Edward M.
; TITLE OF INVENTION: DETERMINING THE FUNCTIONS AND
; TITLE OF INVENTION: INTERACTIONS OF PROTEINS BY COMPARATIVE ANALYSIS
; FILE REFERENCE: 07419-032001
; CURRENT APPLICATION NUMBER: US/09/712,363
; CURRENT FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/US00/02246
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/179,531
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/117,844
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: 60/118,206
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; PRIOR FILING DATE: 1999-02-01
; PRIOR APPLICATION NUMBER: 60/126,593
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 60/134,093
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/134,092
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/165,124
; PRIOR FILING DATE: 1999-11-12
; PRIOR APPLICATION NUMBER: 60/165,086
; PRIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 292
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 156
; LENGTH: 527
; TYPE: PRF
; ORGANISM: Mycobacterium tuberculosis
US-09-712-363-156

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Query Match      86.7%; Score 26; DB 9; Length 527;
Best Local Similarity 66.7%; Pred. No. 4.9e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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```

QY 1 GAVVPO 6
Db 29 GSIVPO 34

```

```

RESULT 12
US-10-186-399-2
; Sequence 2, Application US/10186399
; Patent No. US20020173481A1
; GENERAL INFORMATION:
; APPLICANT: Ekman, Niklas
; APPLICANT: Arighi, Elena
; APPLICANT: Vastrik, Imre
; APPLICANT: Tamagnone, Luca
; APPLICANT: Allitalo, Kari
; TITLE OF INVENTION: REGULATION OF VASCULAR ENDOTHELIUM USING BMX TYROSINE
; TITLE OF INVENTION: KINASE
; FILE REFERENCE: 28113/31941A
; CURRENT APPLICATION NUMBER: US/10/186,399
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: US 08/320,432
; PRIOR FILING DATE: 1994-10-07
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 651
; TYPE: PRF
; ORGANISM: Mus musculus
US-10-186-399-2

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Query Match      86.7%; Score 26; DB 9; Length 651;
Best Local Similarity 66.7%; Pred. No. 6.2e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
Db 188 GAVVPO 193

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```

RESULT 13
US-10-160-865-14
; Sequence 14, Application US/10160865
; Patent No. US20020169139A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Wu-En
; APPLICANT: Heisler, Chung-Ming
; TITLE OF INVENTION: SINGLE GENE ENCODING AORTIC-SPECIFIC AND STRIATED-SPECIFIC
; TITLE OF INVENTION: MUSCLE CELL ISOFORMS AND USES THEREOF
; FILE REFERENCE: 05433/038001
; CURRENT APPLICATION NUMBER: US/10/160,865

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; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: US/09/134,250
; PRIOR FILING DATE: 1998-08-14
; PRIOR APPLICATION NUMBER: US 08/795,868
; PRIOR FILING DATE: 1997-02-06
; PRIOR APPLICATION NUMBER: US 08/494,577
; PRIOR FILING DATE: 1995-06-22
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO 14
; LENGTH: 661
; TYPE: PRF
; ORGANISM: Homo sapiens
US-10-160-865-14

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Query Match      86.7%; Score 26; DB 9; Length 661;
Best Local Similarity 83.3%; Pred. No. 6.3e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1 GAVVPO 6
Db 349 GAVVPO 354

```

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RESULT 14
US-09-844-988-10
; Sequence 10, Application US/09844988
; Patent No. US20020158764A1
; GENERAL INFORMATION:
; APPLICANT: Mercurio, Frank
; APPLICANT: Zhu, Hengyi
; APPLICANT: Barbosa, Miguel
; APPLICANT: Li, Gian
; APPLICANT: Murray, Brian W.
; TITLE OF INVENTION: STIMULUS-INDUCIBLE PROTEIN KINASE
; TITLE OF INVENTION: COMPLEX AND METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6500 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/844,988
; FILING DATE: 26-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/910,820
; FILING DATE: 1997-08-13
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 860098.413C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4800
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 745 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-844-988-10

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Query Match      86.7%; Score 26; DB 9; Length 745;

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Best Local Similarity 83.3%; Pred. No. 7.1e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GAVPQ 6
Db 673 GAVTPQ 678

RESULT 15

US-09-796-872-2
; Sequence 2, Application US/09796872
; Patent No. US20020045235A1
; GENERAL INFORMATION:
; APPLICANT: Karin, Michael
; APPLICANT: DiDonato, Joseph A.
; APPLICANT: Rochwarf, David M.
; APPLICANT: Hayakawa, Makio
; APPLICANT: Zandi, Ebrahim
; TITLE OF INVENTION: Ikb Kinase, Subunits Thereof, and Methods of Using Same
; FILE REFERENCE: P-UD 3295
; CURRENT APPLICATION NUMBER: US/09/796,872
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 09/168,629
; PRIOR FILING DATE: 1998-10-08
; PRIOR APPLICATION NUMBER: 60/061,470
; PRIOR FILING DATE: 1997-10-09
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 2
; LENGTH: 745
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-796-872-2

Query Match

86.7%; Score 26; DB 10; Length 745;

Best Local Similarity 83.3%; Pred. No. 7.1e+02;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GAVPQ 6
Db 673 GAVTPQ 678

Search completed: April 16, 2003, 09:51:42
Job time : 13 secs

GenCore version 5.1.4.p5.4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:02 ; Search time 10.4348 Seconds
(without alignments)
16.918 Million cell updates/sec

Title: US-09-580-156d-46

Perfect score: 30

Sequence: 1 GAVVPQ 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	30	100.0	731	2	US-08-911-364-1
2	30	100.0	733	4	US-08-464-700-2
3	30	100.0	792	2	US-08-678-039A-40
4	29	96.7	491	4	US-09-426-568A-2
5	28	93.3	1066	2	US-08-633-770A-1
6	28	93.3	1070	2	US-08-633-770A-2
7	27	90.0	478	1	US-07-745-206A-19
8	27	90.0	478	1	US-08-455-533A-40
9	27	90.0	478	2	US-08-223-305C-40
10	27	90.0	478	2	US-08-149-097D-32
11	27	90.0	478	2	US-08-311-353-19
12	27	90.0	523	1	US-08-455-533A-42
13	27	90.0	523	1	US-08-223-305C-42
14	26	86.7	20	2	US-08-751-305-16
15	26	86.7	23	6	546668-12
16	26	86.7	24	6	5256770-10
17	26	86.7	93	2	US-08-347-843B-38
18	26	86.7	93	2	US-08-427-457E-43
19	26	86.7	148	4	US-08-791-924-3
20	26	86.7	201	4	US-08-506-296B-55
21	26	86.7	257	4	US-08-728-603-19
22	26	86.7	307	4	US-09-810-347-5
23	26	86.7	321	4	US-08-506-296B-54
24	26	86.7	360	4	US-09-810-347-4
25	26	86.7	360	4	US-08-723-415B-4
26	26	86.7	369	4	US-09-189-627A-4
27	26	86.7	369	4	US-09-710-861-4

28	26	86.7	370	2	US-08-723-415B-6	Sequence 6, Appl
29	26	86.7	370	4	US-09-189-627A-6	Sequence 6, Appl
30	26	86.7	370	4	US-09-710-861-6	Sequence 6, Appl
31	26	86.7	385	2	US-08-723-415B-8	Sequence 8, Appl
32	26	86.7	385	4	US-09-189-627A-8	Sequence 8, Appl
33	26	86.7	385	4	US-09-710-861-8	Sequence 8, Appl
34	26	86.7	406	4	US-08-506-296B-5	Sequence 5, Appl
35	26	86.7	439	4	US-08-506-296B-67	Sequence 67, Appl
36	26	86.7	446	2	US-08-723-415B-2	Sequence 2, Appl
37	26	86.7	446	4	US-09-189-627A-2	Sequence 2, Appl
38	26	86.7	446	4	US-09-710-861-2	Sequence 2, Appl
39	26	86.7	559	4	US-08-506-296B-66	Sequence 66, Appl
40	26	86.7	644	4	US-08-506-296B-65	Sequence 65, Appl
41	26	86.7	661	2	US-08-795-868-14	Sequence 14, Appl
42	26	86.7	661	4	US-09-303-069-14	Sequence 14, Appl
43	26	86.7	661	4	US-09-134-250-14	Sequence 14, Appl
44	26	86.7	745	2	US-08-887-518-3	Sequence 3, Appl
45	26	86.7	745	2	US-09-023-321-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1

US-08-911-364-1

Sequence 1, Application US/08911364

Patent No. 5963106

GENERAL INFORMATION:

APPLICANT: ROTHSTEIN, Aser

APPLICANT: KEELY, Fred W.

APPLICANT: ROTHSTEIN, Steven J.

TITLE OF INVENTION: SELF-ALIGNING PEPTIDES MODELLED ON HUMAN

TITLE OF INVENTION: ELASTIN AND OTHER FIBROUS PROTEINS

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESSES:

ADDRESSEE: FOLEY & LARDNER

STREET: 3000 K Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20007-5109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/911,364

FILING DATE: 07-AUG-1997

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/023,552

FILING DATE: 07-AUG-1996

ATTORNEY/AGENT INFORMATION:

NAME: Bent, Stephen A.

REGISTRATION NUMBER: 29,768

REFERENCE/DOCKET NUMBER: 041082/0104

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 672-5300

TELEFAX: (202) 672-5399

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 731 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-911-364-1

Query Match 100.0%; Score 30; DB 2; Length 731;

Best Local Similarity 100.0%; Pred. No. 16+02;

Matches 6; Conservative 0; Mismatches 0; Gaps 0;

OY 1 GAVVPO 6
Db 100 GAVVPO 105

RESULT 2

US-08-464-700-2
Sequence 2, Application US/08464700
Patent No. 6232458
GENERAL INFORMATION:
APPLICANT: WEISS, ANTHONY S
APPLICANT: MARTIN, STEPHEN L
TITLE OF INVENTION: SYNTHETIC POLYNUCLEOTIDES
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Howson and Howson
STREET: Spring House Corporate Cntr, PO Box 457
CITY: Spring House
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,700
FILING DATE: 7-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: AU PL6520
FILING DATE: 22-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: AU PL9661
FILING DATE: 28-JUN-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/AU93/00655
FILING DATE: 16-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Bak, Mary E.
REGISTRATION NUMBER: 31,215
REFERENCE/DOCKET NUMBER: GHC3USA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-540-9200
TELEFAX: 215-540-5818
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 733 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-464-700-2

Query Match 100.0%; Score 30; DB 4; Length 733;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6
Db 102 GAVVPO 107

RESULT 3
US-08-678-039A-40
Sequence 40, Application US/08678039A
GENERAL INFORMATION:
APPLICANT: Keating, Mark T.
APPLICANT: Morris, Colleen A.
TITLE OF INVENTION: Diagnosis of Williams Syndrome and
TITLE OF INVENTION: Williams Syndrome Cognitive Profile by Analysis of the
TITLE OF INVENTION: Presence or Absence of a LIM-Kinase Gene

NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rothwell, Pigg, Ernst & Kurz, P.C.
STREET: 555 Thirteenth Street, N.W., Suite 701 East
STREET: Tower
CITY: Washington
STATE: DC
COUNTRY: U.S.A.
ZIP: 20004

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/678,039A
FILING DATE: 10-JUL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Saxe, Stephen A.
REGISTRATION NUMBER: 38,609
REFERENCE/DOCKET NUMBER: 2323-120A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-624-1589
TELEFAX: 202-783-6031
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 792 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-678-039A-40

Query Match 100.0%; Score 30; DB 2; Length 792;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6
Db 126 GAVVPO 131

RESULT 4
US-09-426-568A-2
Sequence 2, Application US/09426568A
Patent No. 6348643
GENERAL INFORMATION:
APPLICANT: Kakefuda, Genichi
APPLICANT: Costello, Colleen
APPLICANT: Sun, Ming
APPLICANT: Hu, Weiming
TITLE OF INVENTION: Genes and Vectors for Conferring Herbicide Resistance
FILE REFERENCE: 008103/195497
CURRENT APPLICATION NUMBER: US/09/426,568A
CURRENT FILING DATE: 1999-10-22
PRIOR APPLICATION NUMBER: 60/106,239
PRIOR FILING DATE: 1998-10-29
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 2
LENGTH: 491
TYPE: PRT
ORGANISM: Arabidopsis sp.
US-09-426-568A-2

Query Match 96.7%; Score 29; DB 4; Length 491;
Best Local Similarity 83.3%; Pred. No. 1.1e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GAVVPO 6
Db 273 GAVVPO 278

RESULT 5
US-08-633-770A-1
Sequence 1, Application US/08633770A
Patent No. 5908760
GENERAL INFORMATION:
APPLICANT: Bojsen, Kirsten
APPLICANT: Yu, Shukun
APPLICANT: Kragh, Karsten
APPLICANT: Christensen, Tove
APPLICANT: Matcussen, Jan
TITLE OF INVENTION: ALPHA-1,4-GLUCAN LYASE FROM A FUNGUS, ITS
TITLE OF INVENTION: PURIFICATION GENE CLONING AND EXPRESSION IN MICROORGANISMS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/633,770A
FILING DATE: July 8, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP94/03398
FILING DATE: OCT-15-1994
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: DYOU6.001APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1066 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-633-770A-1

Query Match 93.3%; Score 28; DB 2; Length 1066;
Best Local Similarity 66.7%; Pred. No. 3.9e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6
Db 880 GATIPQ 885

RESULT 6
US-08-633-770A-2
Sequence 2, Application US/08633770A
Patent No. 5908760
GENERAL INFORMATION:
APPLICANT: Bojsen, Kirsten
APPLICANT: Yu, Shukun
APPLICANT: Kragh, Karsten
APPLICANT: Christensen, Tove
APPLICANT: Marcussen, Jan
TITLE OF INVENTION: ALPHA-1,4-GLUCAN LYASE FROM A FUNGUS, ITS
TITLE OF INVENTION: PURIFICATION GENE CLONING AND EXPRESSION IN MICROORGANISMS
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: U.S.A.
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/633,770A
FILING DATE: July 8, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP94/03398
FILING DATE: OCT-15-1994
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
REFERENCE/DOCKET NUMBER: DYOU6.001APC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEFAX: 714-760-9502
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1070 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-633-770A-2

Query Match 93.3%; Score 28; DB 2; Length 1070;
Best Local Similarity 66.7%; Pred. No. 3.9e+02;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPQ 6
Db 879 GATIPQ 884

RESULT 7
US-07-745-206A-19
Sequence 19, Application US/07745206A
Patent No. 5429921
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: McCue, Ann
APPLICANT: Feldman, Daniel
TITLE OF INVENTION: Human Calcium Channel Compositions and
TITLE OF INVENTION: Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fitch, Even, Tabin & Flannery
STREET: 135 S. LaSalle
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/745,206A
FILING DATE: 19910815
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: Feder, Scott B
REFERENCE/DOCKET NUMBER: 51504
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-372-7842
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 478 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-745-206A-19

Query Match 90.0%; Score 27, DB 1; Length 478;
Best Local Similarity 83.3%; Pred. No. 2.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Gy 1 GAVVPO 6
Db 467 GSVVPO 472

RESULT 8
US-08-455-543A-40
Sequence 40, Application US/08455543A
Patent No. 5792846
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,543A
FILING DATE: May 31, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/223,305
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899

FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-52517
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 478 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-455-543A-40

Query Match 90.0%; Score 27; DB 1; Length 478;
Best Local Similarity 83.3%; Pred. No. 2.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Gy 1 GAVVPO 6
Db 467 GSVVPO 472

RESULT 9
US-08-223-305C-40
Sequence 40, Application US/08223305C
Patent No. 5851824
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/223,305C
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408

FILED DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 52516 (P519739)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 238-0999
TELEFAX: (619) 238-0062
INFORMATION FOR SEQ ID NO: 40:
SEQUENCE CHARACTERISTICS:
LENGTH: 478 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-223-305C-40

Query Match 90.0%; Score 27; DB 2; Length 478;
Best Local Similarity 83.3%; Pred. No. 2.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
Db 467 GSVVPO 472

RESULT 10
US-08-149-097D-32
Sequence 32, Application US/08149097D
Patent No. 5874236
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/149,097D
FILING DATE: 05-NOV-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/105,536
FILING DATE: 11-AUG-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US92/06903
FILING DATE: 14-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/914,231
FILING DATE: 13-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/868,354
FILING DATE: 10-APR-1992
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-55038
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 238-0999
TELEFAX: (619) 238-0062
INFORMATION FOR SEQ ID NO: 32:
SEQUENCE CHARACTERISTICS:
LENGTH: 478 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHEICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-149-097D-32

Query Match 90.0%; Score 27; DB 2; Length 478;
Best Local Similarity 83.3%; Pred. No. 2.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
Db 467 GSVVPO 472

RESULT 11
US-08-311-363-19
Sequence 19, Application US/08311363
Patent No. 5876958
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: Human Calcium Channel Compositions and
TITLE OF INVENTION: Methods
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/311,363
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-51506
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0062
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 478 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-311-363-19

Query Match 90.0%; Score 27; DB 2; Length 478;
Best Local Similarity 83.3%; Pred. No. 2.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
Db 467 GSVVPO 472

RESULT 12
US-08-455-543A-42
Sequence 42, Application US/08455543A
Patent No. 5792846
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,543A
FILING DATE: May 31, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/223,305
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/620,250
FILING DATE: 30-NOV-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-52517
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0062
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 523 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-455-543A-42

Query Match 90.0%; Score 27; DB 1; Length 523;
Best Local Similarity 83.3%; Pred. No. 3.2e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GAVVPO 6
Db 512 GSVVPO 517

RESULT 13
US-08-223-305C-42
Sequence 42, Application US/08223305C
Patent No. 5851824
GENERAL INFORMATION:
APPLICANT: Harpold, Michael
APPLICANT: Ellis, Steven
APPLICANT: Williams, Mark
APPLICANT: Feldman, Daniel
APPLICANT: McCue, Ann
APPLICANT: Brenner, Robert
TITLE OF INVENTION: HUMAN CALCIUM CHANNEL COMPOSITIONS AND
TITLE OF INVENTION: METHODS
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/223,305C
FILING DATE: April 4, 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/868,354
FILING DATE: April 10, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/745,206
FILING DATE: 15-AUG-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/620,250
FILING DATE: 30-NOV-1990

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/482,384
FILING DATE: 20-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/603,751
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/US89/01408
FILING DATE: 04-APR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/176,899
FILING DATE: 04-APR-1988
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie L.
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 52516 (P519739)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619)238-0999
TELEFAX: (619)238-0062
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 523 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-223-305C-42

Query Match 90.0%; Score 27; DB 2; Length 523;
Best Local Similarity 83.3%; Pred. No. 3.2e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
Db 512 GSVVPO 517

RESULT 14
US-08-751-305-16
Sequence 16, Application US/08751305
Patent No. 5965439
GENERAL INFORMATION:
APPLICANT: Tenner et al., Andrea J.
TITLE OF INVENTION: HOST DEFENSE ENHANCEMENT
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/751,305
FILING DATE: 18-NOV-1996
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07306/012001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-5070
TELEFAX: 619/678-5099
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid

STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-751-305-16

Query Match 86.7%; Score 26; DB 2; Length 20;
Best Local Similarity 83.3%; Pred. No. 22;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
Db 2 GATVPO 7

RESULT 15
5466668-12
Patent No. 5466668
APPLICANT: GLASER, CHARLES B.; MORSE, MICHAEL J.; LIGHT,
DAVID R.
TITLE OF INVENTION: SUPERIOR THROMBOMODULIN ANALOGS FOR
PHARMACEUTICAL USE
NUMBER OF SEQUENCES: 57
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/155,346
FILING DATE: 22-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 568,456
FILING DATE: 15-AUG-1990
APPLICATION NUMBER: 506,325
FILING DATE: 09-APR-1990
APPLICATION NUMBER: 406,941
FILING DATE: 13-SEP-1989
APPLICATION NUMBER: 345,374
FILING DATE: 28-APR-1989
SEQ ID NO: 12
LENGTH: 23
5466668-12

Query Match 86.7%; Score 26; DB 6; Length 23;
Best Local Similarity 83.3%; Pred. No. 25;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GAVVPO 6
Db 15 GAVVPR 20

Search completed: April 16, 2003, 09:40:02
Job time: 11.4348 secs

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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:38:18 ; Search time 32 Seconds
(without alignments)
38.983 Million cell updates/sec

Title: US-09-580-156D-51

Perfect score: 48

Sequence: 1 CGAVVPOC 8

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 705215 seqs, 155932251 residues

Total number of hits satisfying chosen parameters: 705215

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending_Patents_AA_New:*
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2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep:*
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep:*
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:*
5: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep:*
6: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:*
7: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	48	100.0	8	US-09-580-893C-51	Sequence 51, App1
2	48	100.0	8	US-09-580-893C-54	Sequence 54, App1
3	48	100.0	8	US-09-580-893D-51	Sequence 51, App1
4	48	100.0	8	US-09-580-893D-54	Sequence 54, App1
5	48	100.0	8	US-09-580-110E-51	Sequence 51, App1
6	48	100.0	8	US-09-580-110E-54	Sequence 54, App1
7	48	100.0	8	US-09-580-156D-51	Sequence 51, App1
8	48	100.0	8	US-09-580-156D-54	Sequence 54, App1
9	43	89.6	8	US-09-580-893C-62	Sequence 62, App1
10	43	89.6	8	US-09-580-893C-65	Sequence 65, App1
11	43	89.6	8	US-09-580-893D-62	Sequence 62, App1
12	43	89.6	8	US-09-580-893D-65	Sequence 65, App1
13	43	89.6	8	US-09-580-110E-62	Sequence 62, App1
14	43	89.6	8	US-09-580-110E-65	Sequence 65, App1
15	38	79.2	6	US-10-366-683-32643	Sequence 32643, A
16	37	77.1	91	US-09-864-408A-6692	Sequence 6692, Ap
17	37	77.1	422	US-10-017-161-2400	Sequence 2400, Ap
18	36	75.0	205	US-60-452-660-12504	Sequence 12504, A
19	36	75.0	205	US-60-453-135-7783	Sequence 7783, Ap
20	36	75.0	205	US-60-453-050-7783	Sequence 7783, Ap
21	36	75.0	232	US-09-949-016-11200	Sequence 11200, A
22	36	75.0	235	US-09-724-676-67280	Sequence 67280, A
23	36	75.0	235	US-09-724-676A-67280	Sequence 67280, A
24	36	75.0	283	US-09-798-053-7	Sequence 7, App1
25	36	75.0	564	US-09-724-676-55124	Sequence 55124, A
26	36	75.0	564	US-09-724-676A-55124	Sequence 55124, A

27	36	75.0	577	6	US-10-144-779-449	Sequence 449, App
28	36	75.0	579	6	US-10-094-749-1884	Sequence 1884, Ap
29	36	75.0	579	6	US-60-453-135-9097	Sequence 9097, Ap
30	36	75.0	579	7	US-60-453-050-9097	Sequence 9097, Ap
31	36	75.0	590	5	US-09-724-676-55126	Sequence 55126, A
32	36	75.0	590	5	US-09-724-676A-55126	Sequence 55126, A
33	36	75.0	605	5	US-09-724-676-55125	Sequence 55125, A
34	36	75.0	605	5	US-09-724-676A-55125	Sequence 55125, A
35	36	75.0	625	5	US-09-724-676-55127	Sequence 55127, A
36	36	75.0	625	5	US-09-724-676A-55127	Sequence 55127, A
37	36	75.0	791	5	US-09-724-676-55122	Sequence 55122, A
38	36	75.0	791	5	US-09-724-676A-55122	Sequence 55122, A
39	36	75.0	826	5	US-09-724-676-55123	Sequence 55123, A
40	36	75.0	826	5	US-09-724-676A-55123	Sequence 55123, A
41	36	75.0	867	5	US-10-314-410-10	Sequence 10, App1
42	36	75.0	915	7	US-60-453-135-9848	Sequence 9848, Ap
43	36	75.0	915	7	US-60-453-050-9848	Sequence 9848, Ap
44	36	75.0	955	5	US-09-798-053-8	Sequence 8, App1
45	36	75.0	955	7	US-60-453-135-9847	Sequence 9847, Ap

ALIGNMENTS

RESULT 1
US-09-580-893C-51
Sequence 51, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
TITLE OF INVENTION: JIMENEZ JR, FELIPE
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580, 893C
CURRENT FILING DATE: 2002-10-08
* SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 51
LENGTH: 8
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: DISULFID
LOCATION: (1)..(8)
OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893C-51

Query Match 100.0%; Score 48; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 66+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 2
US-09-580-893C-54
Sequence 54, Application US/09580893C
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
TITLE OF INVENTION: JIMENEZ JR, FELIPE
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580, 893C
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
* SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 54
LENGTH: 8

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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: METAL
; LOCATION: (1)..(8)
; OTHER INFORMATION: METAL IS COPPER, BINDING TO LOCATIONS 1 AND 8
US-09-580-893C-54

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 3
US-09-580-893D-51
; Sequence 51, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893D-51

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 4
US-09-580-893D-54
; Sequence 54, Application US/09580893D
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE B
; APPLICANT: MITTS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893D
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; FEATURE:
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893D-51

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 5
US-09-580-110E-51
; Sequence 51, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-51

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 6
US-09-580-110E-54
; Sequence 54, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-54

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8
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; NAME/KEY: METAL
; LOCATION: (1)..(8)
; OTHER INFORMATION: METAL IS COPPER, BINDING TO LOCATIONS 1 AND 8
US-09-580-893D-54

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 5
US-09-580-110E-51
; Sequence 51, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-51

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 6
US-09-580-110E-54
; Sequence 54, Application US/09580110E
; GENERAL INFORMATION:
; APPLICANT: MITTS, THOMAS F.
; APPLICANT: SANDBERG, LAWRENCE B.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
; FILE REFERENCE: 25812-13
; CURRENT APPLICATION NUMBER: US/09/580,110E
; CURRENT FILING DATE: 2000-05-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-54

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8
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RESULT 7

US-09-580-156D-51
; Sequence 51, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.
; APPLICANT: Thomas, Mites F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308 ✓
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-156D-51

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 6e+05;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 8

US-09-580-156D-54
; Sequence 54, Application US/09580156D
; GENERAL INFORMATION:
; APPLICANT: Lawrence, Sandberg B.
; APPLICANT: Thomas, Mites F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES THEREOF
; FILE REFERENCE: 25812-5CIP
; CURRENT APPLICATION NUMBER: US/09/580,156D
; CURRENT FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/039,308
; PRIOR FILING DATE: 1998-03-13
; PRIOR APPLICATION NUMBER: PCT/US99/05496
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: METAL
; LOCATION: (1)..(8)
; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8
US-09-580-156D-54

Query Match
Best Local Similarity 100.0%; Score 48; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 6e+05;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 9

US-09-580-893C-62
; Sequence 62, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: MITS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 62
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893C-62

Query Match
Best Local Similarity 89.6%; Score 43; DB 5; Length 8;
Best Local Similarity 87.5%; Pred. No. 6e+05;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 10

US-09-580-893C-65
; Sequence 65, Application US/09580893C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B
; APPLICANT: MITS, THOMAS F
; APPLICANT: JIMENEZ JR, FELIPE
; TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
; FILE REFERENCE: 00-144-US
; CURRENT APPLICATION NUMBER: US/09/580,893C
; CURRENT FILING DATE: 2002-10-08
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 65
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Peptide
; NAME/KEY: METAL
; LOCATION: (1)..(8)
; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8
US-09-580-893C-65

Query Match
Best Local Similarity 89.6%; Score 43; DB 5; Length 8;
Best Local Similarity 87.5%; Pred. No. 6e+05;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 11
US-09-580-893D-62
; Sequence 62, Application US/09580893D

GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 62
LENGTH: 8
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: DISULFID
LOCATION: (1)..(8)
OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-580-893D-62

Query Match 89.6%; Score 43; DB 5; Length 8;
Best Local Similarity 87.5%; Pred. No. 6e+05;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8
Db 1 CGAVVNC 8

RESULT 12
US-09-580-893D-65
Sequence 65, Application US/09580893D
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE B
APPLICANT: MITTS, THOMAS F
APPLICANT: JIMENEZ JR, FELIPE
TITLE OF INVENTION: ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS
FILE REFERENCE: 00-144-US
CURRENT APPLICATION NUMBER: US/09/580,893D
CURRENT FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 65
LENGTH: 8
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Peptide
NAME/KEY: METAL
LOCATION: (1)..(8)
OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8
US-09-580-893D-65

Query Match 89.6%; Score 43; DB 5; Length 8;
Best Local Similarity 87.5%; Pred. No. 6e+05;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8
Db 1 CGAVVNC 8

RESULT 13
US-09-580-110E-62
Sequence 62, Application US/09580110E
GENERAL INFORMATION:
APPLICANT: MITTS, THOMAS F
APPLICANT: SANDBERG, LAWRENCE B
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
TITLE OF INVENTION: ENHANCING AGENTS

FILE REFERENCE: 25812-13
CURRENT APPLICATION NUMBER: US/09/580,110E
CURRENT FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Version 3.1
SEQ ID NO 62
LENGTH: 8
TYPE: PRT
ORGANISM: Artificial
FEATURE: OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-62

Query Match 89.6%; Score 43; DB 5; Length 8;
Best Local Similarity 87.5%; Pred. No. 6e+05;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8
Db 1 CGAVVNC 8

RESULT 14
US-09-580-110E-65
Sequence 65, Application US/09580110E
GENERAL INFORMATION:
APPLICANT: MITTS, THOMAS F
APPLICANT: SANDBERG, LAWRENCE B
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND USES OF SAME IN COMBINATION WITH SKIN
FILE REFERENCE: 25812-13
CURRENT APPLICATION NUMBER: US/09/580,110E
CURRENT FILING DATE: 2000-05-30
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Version 3.1
SEQ ID NO 65
LENGTH: 8
TYPE: PRT
ORGANISM: Artificial
FEATURE: OTHER INFORMATION: Description of Artificial Sequence: peptide
US-09-580-110E-65

Query Match 89.6%; Score 43; DB 5; Length 8;
Best Local Similarity 87.5%; Pred. No. 6e+05;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 CGAVVPOC 8
Db 1 CGAVVNC 8

RESULT 15
US-10-366-683-32643
Sequence 32643, Application US/10366683
GENERAL INFORMATION:
APPLICANT: RUBENFELD, MARC J.
APPLICANT: NOJLING, JORCK
APPLICANT: DELONGHERY, CRAIG
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: PATH03-04
CURRENT APPLICATION NUMBER: US/10/366,683
CURRENT FILING DATE: 2003-02-13
PRIOR APPLICATION NUMBER: 09/252,991
PRIOR FILING DATE: 1999-02-18
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 32643
LENGTH: 607
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-10-366-683-32643

Query Match 79.2%; Score 38; DB 6; Length 607;
 Best Local Similarity 75.0%; Pred. No. 90;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1 CGAVVPOC 8
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 Db 41 CGALRPOC 48

Search completed: April 16, 2003, 09:50:50
 Job time : 33 secs

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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:41 ; Search time 188.522 Seconds
(without alignments)
27.360 Million cell updates/sec

Title: US-09-580-156D-51
Perfect score: 48
Sequence: 1 CGAVPQC 8

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Gapop 10.0 , Gapext 0.5

Searched: 4569144 seqs, 644733110 residues
Total number of hits satisfying chosen parameters: 4569144

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

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- 12: /cgn2_6/prodata/1/paa/US076_COMB.pep.*
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- 14: /cgn2_6/prodata/1/paa/US074_COMB.pep.*
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- 19: /cgn2_6/prodata/1/paa/US069_COMB.pep.*
- 20: /cgn2_6/prodata/1/paa/US068_COMB.pep.*
- 21: /cgn2_6/prodata/1/paa/US067_COMB.pep.*
- 22: /cgn2_6/prodata/1/paa/US066_COMB.pep.*
- 23: /cgn2_6/prodata/1/paa/US065_COMB.pep.*
- 24: /cgn2_6/prodata/1/paa/US064_COMB.pep.*
- 25: /cgn2_6/prodata/1/paa/US063_COMB.pep.*
- 26: /cgn2_6/prodata/1/paa/US062_COMB.pep.*
- 27: /cgn2_6/prodata/1/paa/US061_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	48	100.0	8	19	US-09-584-001-51
2	48	100.0	8	19	US-09-584-001-54
3	48	100.0	8	19	US-09-584-001C-51
4	48	100.0	8	19	US-09-584-001C-54
5	43	89.6	8	19	US-09-584-001-62
6	43	89.6	8	19	US-09-584-001-65

7	43	89.6	8	19	US-09-584-001C-62	Sequence 62, Appl
8	43	89.6	8	19	US-09-584-001C-65	Sequence 65, Appl
9	38	79.2	607	16	US-09-252-991A-32643	Sequence 32643, A
10	37	77.1	97	23	US-09-923-844B-4	Sequence 4, Appl1
11	37	77.1	105	21	US-09-791-537-7352	Sequence 7352, A
12	37	77.1	123	21	US-09-791-537-96539	Sequence 96539, A
13	37	77.1	390	27	US-60-361-742-1086	Sequence 1086, Ap
14	37	77.1	544	27	US-60-212-355-203	Sequence 203, App
15	36	75.0	34	27	US-60-160-202-2831	Sequence 2831, Ap
16	36	75.0	34	27	US-60-169-842-3026	Sequence 3026, Ap
17	36	75.0	58	27	US-60-178-307-2693	Sequence 2693, Ap
18	36	75.0	64	27	US-60-173-469-1413	Sequence 1413, Ap
19	36	75.0	69	27	US-60-177-571-4331	Sequence 4331, Ap
20	36	75.0	69	27	US-60-179-308-3102	Sequence 3102, Ap
21	36	75.0	106	14	US-09-087-031E-13	Sequence 13, Appl
22	36	75.0	122	25	US-10-108-260A-3577	Sequence 3577, Ap
23	36	75.0	125	21	US-09-760-446A-1816	Sequence 1816, Ap
24	36	75.0	125	26	US-10-206-664-1816	Sequence 1816, Ap
25	36	75.0	143	27	US-60-161-932-773	Sequence 773, App
26	36	75.0	160	16	US-09-270-767-34232	Sequence 34232, A
27	36	75.0	160	16	US-09-270-767-49449	Sequence 49449, A
28	36	75.0	160	16	US-09-270-849B-180416	Sequence 180416, A
29	36	75.0	197	17	US-09-308-140-12	Sequence 12, Appl
30	36	75.0	205	1	PCT-US97-18476-5	Sequence 5, Appl1
31	36	75.0	205	16	US-09-206-639-5	Sequence 5, Appl1
32	36	75.0	205	16	US-09-215-092-6	Sequence 6, Appl1
33	36	75.0	205	21	US-09-791-537-45184	Sequence 45184, A
34	36	75.0	205	23	US-09-939-209A-2	Sequence 2, Appl1
35	36	75.0	205	27	US-60-200-786-21	Sequence 21, Appl
36	36	75.0	276	21	US-09-708-427-16485	Sequence 16485, A
37	36	75.0	283	17	US-09-798-051-7	Sequence 7, Appl1
38	36	75.0	332	21	US-09-308-140-7	Sequence 7, Appl1
39	36	75.0	332	21	US-09-791-537-427	Sequence 427, App
40	36	75.0	409	21	US-09-708-427-16484	Sequence 16484, A
41	36	75.0	426	21	US-09-708-427-16483	Sequence 16483, A
42	36	75.0	426	21	US-09-791-537-7224	Sequence 7224, Ap
43	36	75.0	466	27	US-60-167-216-350	Sequence 350, App
44	36	75.0	647	19	US-09-540-209B-7045	Sequence 7045, Ap
45	36	75.0	717	27	US-60-173-464-12032	Sequence 12032, A

ALIGNMENTS

RESULT 1
US-09-584-001-51
Sequence 51, Application US/09584001
GENERAL INFORMATION:
APPLICANT: SANDBERG, LAWRENCE
APPLICANT: MITTS, THOMAS F.
TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
FILE REFERENCE: 99494US
CURRENT APPLICATION NUMBER: US/09/584,001
CURRENT FILING DATE: 2000-05-30
EARLIER APPLICATION NUMBER: 09/039,308
EARLIER FILING DATE: 1998-03-13
EARLIER APPLICATION NUMBER: PCT/US99/05496
EARLIER FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 51
LENGTH: 8
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: peptide
NAME/KEY: DISULFID
LOCATION: (1)..(8)
OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-584-001-51
Query Match 100.0%; Score 48; DB 19; Length 8;

Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 2

US-09-584-001-54
; Sequence 54, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584,001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: METAL
; LOCATION: (1)..(8)
; OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8
US-09-584-001-54

Query Match 100.0%; Score 48; DB 19; Length 8;

Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 3

US-09-584-001C-51
; Sequence 51, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Sandberg, Lawrence B.
; APPLICANT: Mitts, Thomas F.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584,001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 51
; LENGTH: 8
; TYPE: PRT
; ORGANISM: mammalian
US-09-584-001C-51

Query Match 100.0%; Score 48; DB 19; Length 8;

Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 4

3

US-09-584-001C-54
; Sequence 54, Application US/09584001C
; GENERAL INFORMATION:
; APPLICANT: Mitts, Thomas F.
; APPLICANT: Sandberg, Lawrence B.
; TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
; FILE REFERENCE: 25812-11
; CURRENT APPLICATION NUMBER: US/09/584,001C
; CURRENT FILING DATE: 2002-04-30
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 54
; LENGTH: 8
; TYPE: PRT
; ORGANISM: mammalian
US-09-584-001C-54

Query Match 100.0%; Score 48; DB 19; Length 8;
Best Local Similarity 100.0%; Pred. No. 4.2e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 5

US-09-584-001-62
; Sequence 62, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584,001
; CURRENT FILING DATE: 2000-05-30
; EARLIER APPLICATION NUMBER: 09/039,308
; EARLIER FILING DATE: 1998-03-13
; EARLIER APPLICATION NUMBER: PCT/US99/05496
; EARLIER FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: Patentln Ver. 2.1
; SEQ ID NO 62
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: peptide
; NAME/KEY: DISULFID
; LOCATION: (1)..(8)
; OTHER INFORMATION: TERMINAL CYSTEINES FORM DISULFIDE BOND
US-09-584-001-62

Query Match 89.6%; Score 43; DB 19; Length 8;

Best Local Similarity 87.5%; Pred. No. 4.2e+06;
Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 1 CGAVVPOC 8

RESULT 6

US-09-584-001-65
; Sequence 65, Application US/09584001
; GENERAL INFORMATION:
; APPLICANT: SANDBERG, LAWRENCE
; APPLICANT: MITTS, THOMAS F.
; TITLE OF INVENTION: ELASTIN PEPTIDE ANALOGS AND METHODS OF USING SAME
; FILE REFERENCE: 99494US
; CURRENT APPLICATION NUMBER: US/09/584,001
; CURRENT FILING DATE: 2000-05-30

EARLIER APPLICATION NUMBER: 09/039,308
 EARLIER FILING DATE: 1998-03-13
 EARLIER APPLICATION NUMBER: PCT/US99/05496
 EARLIER FILING DATE: 1999-03-12
 NUMBER OF SEQ ID NOS: 75
 SOFTWARE: Patentin Ver. 2.1
 SEQ ID NO 65
 LENGTH: 8
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence: peptide
 NAME/KEY: METAL
 LOCATION: (1)..(8)
 OTHER INFORMATION: METAL IS COPPER; BINDING TO LOCATION 1 AND 8
 US-09-584-001-65

Query Match 89.6%; Score 43; DB 19; Length 8;
 Best Local Similarity 87.5%; Pred. No. 4.2e+06;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
 Db 1 CGAVVPNC 8

RESULT 7
 US-09-584-001C-62
 Sequence 62, Application US/09584001C
 GENERAL INFORMATION:
 APPLICANT: Miltis, Thomas F.
 APPLICANT: Sandberg, Lawrence B.
 TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
 FILE REFERENCE: 25812-11
 CURRENT APPLICATION NUMBER: US/09/584,001C
 CURRENT FILING DATE: 2002-04-30
 NUMBER OF SEQ ID NOS: 75
 SOFTWARE: Patentin Ver. 2.1
 SEQ ID NO 62
 LENGTH: 8
 TYPE: PRT
 ORGANISM: mammalian
 US-09-584-001C-62

Query Match 89.6%; Score 43; DB 19; Length 8;
 Best Local Similarity 87.5%; Pred. No. 4.2e+06;
 Matches 7; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
 Db 1 CGAVVPNC 8

RESULT 8
 US-09-584-001C-65
 Sequence 65, Application US/09584001C
 GENERAL INFORMATION:
 APPLICANT: Miltis, Thomas F.
 APPLICANT: Sandberg, Lawrence B.
 TITLE OF INVENTION: Elastin Peptide Analogs and Methods of Using Same
 FILE REFERENCE: 25812-11
 CURRENT APPLICATION NUMBER: US/09/584,001C
 CURRENT FILING DATE: 2002-04-30
 NUMBER OF SEQ ID NOS: 75
 SOFTWARE: Patentin Ver. 2.1
 SEQ ID NO 65
 LENGTH: 8
 TYPE: PRT
 ORGANISM: mammalian
 US-09-584-001C-65

Query Match 89.6%; Score 43; DB 19; Length 8;

Best Local Similarity 87.5%; Pred. No. 4.2e+06;
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 Qy 1 CGAVVPOC 8
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RESULT 9
 US-09-252-991A-32643
 Sequence 32643, Application US/09252991A
 GENERAL INFORMATION:
 APPLICANT: Marc J. Rubenfield et al.
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
 FILE REFERENCE: 107196.136
 CURRENT APPLICATION NUMBER: US/09/252,991A
 CURRENT FILING DATE: 1999-02-18
 PRIOR APPLICATION NUMBER: US 60/074,788
 PRIOR FILING DATE: 1998-02-18
 PRIOR APPLICATION NUMBER: US 60/094,190
 PRIOR FILING DATE: 1998-07-27
 NUMBER OF SEQ ID NOS: 33142
 SEQ ID NO 32643
 LENGTH: 607
 TYPE: PRT
 ORGANISM: Pseudomonas aeruginosa
 US-09-252-991A-32643

Query Match 79.2%; Score 38; DB 16; Length 607;
 Best Local Similarity 75.0%; Pred. No. 6.5e+02;
 Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
 Db 41 CGALRPOC 48

RESULT 10
 US-09-923-844B-4
 Sequence 4, Application US/0923844B
 GENERAL INFORMATION:
 APPLICANT: Pioneer Hi-Bred International, Inc.
 APPLICANT: Bao, Zhongmeng
 TITLE OF INVENTION: Sclerotinia-inducible Genes and
 TITLE OF INVENTION: Promoters and Their Uses
 FILE REFERENCE: 35718/234631
 CURRENT APPLICATION NUMBER: US/09/923,844B
 CURRENT FILING DATE: 2001-08-07
 PRIOR APPLICATION NUMBER: US 60/224,603
 PRIOR FILING DATE: 2000-08-11
 NUMBER OF SEQ ID NOS: 20
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 4
 LENGTH: 97
 TYPE: PRT
 ORGANISM: Helianthus annuus
 US-09-923-844B-4

Query Match 77.1%; Score 37; DB 23; Length 97;
 Best Local Similarity 62.5%; Pred. No. 1.8e+02;
 Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
 Db 90 CGVSIPOC 97

RESULT 11
 US-09-791-537-7352
 Sequence 7352, Application US/09791537
 GENERAL INFORMATION:

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; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7352
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Thermus thermophilus
US-09-791-537-7352

Query Match
Best Local Similarity 77.1%; Score 37; DB 21; Length 105;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 42 CGACVPAC 49

RESULT 12
US-09-791-537-96539
; Sequence 96539, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 96539
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Deinococcus radiodurans
US-09-791-537-96539

Query Match
Best Local Similarity 77.1%; Score 37; DB 21; Length 123;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 88 CGACVPAC 95

RESULT 13
US-60-361-742-1086
; Sequence 1086, Application US/60361742
; GENERAL INFORMATION:
; APPLICANT: Fidelity Systems, Inc.
; APPLICANT: Slesarev, Alexei I.
; APPLICANT: Mezhevaya, Katja V.
; APPLICANT: Polushin, Nikolai N.
; APPLICANT: Shcherbinina, Olga V.
; APPLICANT: Shakhova, Vera V.
; APPLICANT: Kozlykh, Andrei G.
; APPLICANT: Kozlykh, Sergei A.
; TITLE OF INVENTION: Fidelity Systems, Inc.
; FILE REFERENCE: New
; CURRENT APPLICATION NUMBER: US/60/361,742
; CURRENT FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 1692
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1086
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; LENGTH: 390
; TYPE: PRT
; ORGANISM: Methanopyrus kandleri
US-60-361-742-1086

Query Match
Best Local Similarity 77.1%; Score 37; DB 27; Length 390;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 37 CGACVPAC 44

RESULT 14
US-60-212-356-203
; Sequence 203, Application US/60212356
; GENERAL INFORMATION:
; APPLICANT: Beasley, Ellen
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE
; FILE REFERENCE: CL000677
; CURRENT APPLICATION NUMBER: US/60/212,356
; CURRENT FILING DATE: 2000-06-19
; NUMBER OF SEQ ID NOS: 411
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 203
; LENGTH: 544
; TYPE: PRT
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(544)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-60-212-356-203

Query Match
Best Local Similarity 77.1%; Score 37; DB 27; Length 544;
Matches 8; Conservative 0; Mismatches 0; Indels 2; Gaps 1;

QY 1 CG--AVVPOC 8
Db 143 CGAAHVPOC 152

RESULT 15
US-60-160-202-2831
; Sequence 2831, Application US/60160202
; GENERAL INFORMATION:
; APPLICANT: BONAZZI, VIVIAN
; TITLE OF INVENTION: ISOLATED HUMAN GPCR PROTEIN, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN GPCR PROTEINS AND USES THEREOF
; FILE REFERENCE: CL000114
; CURRENT APPLICATION NUMBER: US/60/160,202
; CURRENT FILING DATE: 1998-10-19
; NUMBER OF SEQ ID NOS: 4392
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2831
; LENGTH: 34
; TYPE: PRT
; ORGANISM: HUMAN
US-60-160-202-2831

Query Match
Best Local Similarity 75.0%; Score 36; DB 27; Length 34;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 10 CGLVPRC 17
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Thu Apr 17 10:29:17 2003

us-09-580-156d-51.rapm

Page 5

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OM protein - protein search, using sw model

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Title: US-09-580-156D-51

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Post-processing: Minimum Match 0%

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14: /cgnt2_6/ptodata/1/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	37	77.1	97	9	US-09-923-844B-4
2	36	75.0	205	10	US-09-206-639-5
3	36	75.0	283	9	US-09-798-051-7
4	36	75.0	867	9	US-09-811-088-10
5	36	75.0	948	10	US-09-897-699-2
6	36	75.0	954	9	US-09-944-413-7
7	36	75.0	954	9	US-09-944-403-7
8	36	75.0	954	9	US-09-944-896-7
9	36	75.0	954	9	US-09-944-944-7
10	36	75.0	954	9	US-09-944-907-7
11	36	75.0	954	9	US-09-944-929-7
12	36	75.0	954	10	US-09-866-028-7
13	36	75.0	954	10	US-09-944-449-7
14	36	75.0	954	10	US-09-944-457-7
15	36	75.0	954	10	US-09-944-862-7
16	36	75.0	954	10	US-09-945-587-7
17	36	75.0	954	10	US-09-945-015-7
18	36	75.0	954	10	US-09-944-396-7
19	36	75.0	954	10	US-09-944-097-7

20	36	75.0	954	10	US-09-944-432-7	Sequence 7, Appli
21	36	75.0	954	10	US-09-943-762-7	Sequence 7, Appli
22	36	75.0	954	10	US-09-944-654-7	Sequence 7, Appli
23	36	75.0	954	10	US-09-943-851A-7	Sequence 7, Appli
24	36	75.0	955	9	US-10-044-716-8	Sequence 8, Appli
25	36	75.0	955	9	US-09-798-051-8	Sequence 8, Appli
26	33	68.8	62	10	US-09-764-877-1457	Sequence 1457, Ap
27	33	68.8	70	10	US-09-764-860-304	Sequence 304, App
28	33	68.8	111	12	US-10-001-843-207	Sequence 207, App
29	33	68.8	133	9	US-09-974-879-567	Sequence 567, App
30	33	68.8	184	9	US-10-102-627-44	Sequence 44, Appli
31	33	68.8	225	9	US-10-092-925-5	Sequence 5, Appli
32	33	68.8	584	9	US-10-050-786-7	Sequence 7, Appli
33	33	68.8	816	9	US-09-786-7208-2	Sequence 2, Appli
34	32	66.7	90	10	US-09-037-460-11	Sequence 11, Appli
35	32	66.7	135	10	US-09-925-301-935	Sequence 935, App
36	32	66.7	153	10	US-09-815-242-5043	Sequence 5043, Ap
37	32	66.7	217	10	US-09-815-242-5219	Sequence 5219, Ap
38	32	66.7	375	10	US-09-853-625B-13	Sequence 13, Appli
39	32	66.7	919	9	US-10-101-464A-642	Sequence 642, App
40	32	66.7	1133	9	US-10-101-464A-809	Sequence 809, App
41	31	64.6	92	10	US-09-925-301-1525	Sequence 1525, Ap
42	31	64.6	105	9	US-09-738-626-4725	Sequence 4725, Ap
43	31	64.6	160	9	US-09-771-209-36	Sequence 36, Appli
44	31	64.6	171	9	US-10-101-464A-500	Sequence 500, App
45	31	64.6	258	9	US-10-001-054-52	Sequence 52, Appli

ALIGNMENTS

RESULT 1
US-09-923-844B-4
Sequence 4, Application US/09923844B
Patent No. US20020166143A1
GENERAL INFORMATION:
APPLICANT: Pioneer Hi-Bred International, Inc.
APPLICANT: Bao, Zhongmeng
APPLICANT: Lu, Guhua
TITLE OF INVENTION: Sclerotinia-inducible Genes and
FILE REFERENCE: 35718/234631
CURRENT APPLICATION NUMBER: US/09/923, 844B
CURRENT FILING DATE: 2001-08-07
PRIOR APPLICATION NUMBER: US 60/224, 603
PRIOR FILING DATE: 2000-08-11
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 97
TYPE: PRT
ORGANISM: Helianthus annuus
US-09-923-844B-4

Query Match 77.1%; Score 37; DB 9; Length 97;
Best Local Similarity 62.5%; Pred. No. 11;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

CY 1 CGAVPQC 8
DB 90 CGAVPQC 97

RESULT 2
US-09-206-639-5
Sequence 5, Application US/09206639
Patent No. US2002003477A1
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL REGULATOR OF CELL SIGNALING
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: US

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/206,639

FILING DATE: 07-Dec-1998

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/748,463

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0157 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

TELEX: <Unknown>

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 205 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: Genbank

CLONE: 1216373

SEQUENCE DESCRIPTION: SEQ ID NO: 5:

US-09-206-639-5

Query Match

Best Local Similarity 75.0%; Score 36; DB 10; Length 205;

Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 CGAVPQC 8

Db 197 CASLVPQC 204

RESULT 3

US-09-798-051-7

Sequence 7, Application US/09798051

Publication No. US20030008961A1

GENERAL INFORMATION:

APPLICANT: Zhang, Ke

APPLICANT: Cam, Linh

APPLICANT: Nakayama, Naoki

TITLE OF INVENTION: Chordin-like-2 Molecules and Uses Thereof

FILE REFERENCE: 01-005

CURRENT APPLICATION NUMBER: US/09/798,051

CURRENT FILING DATE: 2001-03-05

NUMBER OF SEQ ID NOS: 21

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 7

LENGTH: 283

TYPE: PRT

ORGANISM: Mus musculus

US-09-798-051-7

Query Match

Best Local Similarity 75.0%; Score 36; DB 9; Length 283;

Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVPQC 8

Db 197 CASLVPQC 204

Db 232 CGAVPQC 239

RESULT 4

US-09-811-088-10

Sequence 10, Application US/09811088

Patent No. US2002016046A1

GENERAL INFORMATION:

APPLICANT: Holtzman, Douglas A.

APPLICANT: Gearing, David P.

APPLICANT: Pan, Yang

TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING

TITLE OF INVENTION: PROGNASTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC AND OTHER

TITLE OF INVENTION: USES

FILE REFERENCE: 07334-324001

CURRENT APPLICATION NUMBER: US/09/811,088

CURRENT FILING DATE: 2001-03-16

PRIOR APPLICATION NUMBER: US 09/712,726

PRIOR FILING DATE: 2000-11-14

PRIOR APPLICATION NUMBER: US 08/820,364

PRIOR FILING DATE: 1997-03-12

PRIOR APPLICATION NUMBER: US 09/757,421

PRIOR FILING DATE: 2001-01-10

PRIOR APPLICATION NUMBER: US 08/843,652

PRIOR FILING DATE: 1997-04-16

PRIOR APPLICATION NUMBER: US 08/843,651

PRIOR FILING DATE: 1997-04-16

PRIOR APPLICATION NUMBER: US 09/354,809

PRIOR FILING DATE: 1999-07-16

PRIOR APPLICATION NUMBER: US 08/938,365

PRIOR FILING DATE: 1997-09-26

NUMBER OF SEQ ID NOS: 24

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 10

LENGTH: 867

TYPE: PRT

ORGANISM: Homo sapiens

US-09-811-088-10

Query Match

Best Local Similarity 75.0%; Score 36; DB 9; Length 867;

Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVPQC 8

Db 814 CGAVPQC 821

RESULT 5

US-09-897-699-2

Sequence 2, Application US/09897699

Patent No. US2002003846A1

GENERAL INFORMATION:

APPLICANT: Leviten, Michael W.

TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CHORDIN GENE

FILE REFERENCE: R-269

CURRENT APPLICATION NUMBER: US/09/897,699

CURRENT FILING DATE: 2001-06-29

PRIOR APPLICATION NUMBER: US 60/215,179

PRIOR FILING DATE: 2000-06-29

NUMBER OF SEQ ID NOS: 4

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 948

TYPE: PRT

ORGANISM: Mus musculus

US-09-897-699-2

Query Match

Best Local Similarity 75.0%; Score 36; DB 10; Length 948;

Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVPQC 8

Db 814 CGAVPQC 821

QY 1 CGAVVPOC 8
DB 897 CGAGVPHC 904

RESULT 6

US-09-944-413-7
Sequence 7, Application US/09944413
Patent No. US20020156004A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerltsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kijavlin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P254P1C1
CURRENT APPLICATION NUMBER: US/09/944,413
PRIOR FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,278
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,425
PRIOR FILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/069,596
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,594
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,702
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,870
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/069,873
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/068,017
PRIOR FILING DATE: December 18, 1997
PRIOR APPLICATION NUMBER: 60/070,440
PRIOR FILING DATE: January 5, 1998
PRIOR APPLICATION NUMBER: 60/074,086
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/074,092
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/075,945
PRIOR FILING DATE: February 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 60/113,296
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 60/146,222
PRIOR FILING DATE: July 28, 1999
PRIOR APPLICATION NUMBER: PCT/US98/19330
PRIOR FILING DATE: September 16, 1998
PRIOR APPLICATION NUMBER: PCT/US98/25108
PRIOR FILING DATE: December 1, 1998

PRIOR APPLICATION NUMBER: 09/216,021
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 09/218,517
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 09/254,311
PRIOR FILING DATE: March 3, 1999
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28409
PRIOR FILING DATE: No. US20020156004A1ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: No. US20020156004A1ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28301
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 7
LENGTH: 954
TYPE: PRT
ORGANISM: Homo Saplen
US-09-944-413-7

Query Match 75.0%; Score 36; DB 9; Length 954;
Best Local Similarity 75.0%; Pred. No. 1,3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
DB 902 CGAGVPHC 909

RESULT 7
US-09-944-403-7
Sequence 7, Application US/09944403
Patent No. US20020165143A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerltsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kijavlin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
ACIDS ENCODING THE SAME

FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,403
PRIOR FILING DATE: 2001-08-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,278
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,425
PRIOR FILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/069,696
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,702
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,870
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/069,873
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/068,017
PRIOR FILING DATE: December 18, 1997
PRIOR APPLICATION NUMBER: 60/070,440
PRIOR FILING DATE: January 5, 1998
PRIOR APPLICATION NUMBER: 60/074,086
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/074,092
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/075,945
PRIOR FILING DATE: February 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 60/113,286
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 60/146,222
PRIOR FILING DATE: July 28, 1999
PRIOR APPLICATION NUMBER: PCT/US98/19330
PRIOR FILING DATE: September 16, 1998
PRIOR APPLICATION NUMBER: PCT/US98/25108
PRIOR FILING DATE: December 1, 1998
PRIOR APPLICATION NUMBER: 09/218,021
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 09/218,517
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 09/254,311
PRIOR FILING DATE: March 3, 1999
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28409
PRIOR FILING DATE: No. US2002015143A1 December 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/2830F
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000

PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 7
LENGTH: 954
TYPE: PRT
ORGANISM: Homo Sapien
US-09-944-403-7
Query Match 75.0%; Score 36; DB 9; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 CGAVVPOC 8
Db* 902 CGAGVPHC 909
RESULT 8
US-09-944-896-7
Sequence 7, Application US/09944896
Patent No. US20020168715A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Baton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kijavlin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,896
PRIOR FILING DATE: 2001-08-31
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,278
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,425
PRIOR FILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/069,696
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,702
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,870
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/069,873
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/068,017
PRIOR FILING DATE: December 18, 1997
PRIOR APPLICATION NUMBER: 60/070,440
PRIOR FILING DATE: January 5, 1998
PRIOR APPLICATION NUMBER: 60/074,086


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; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/074,092
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/075,945
; PRIOR FILING DATE: February 25, 1998
; PRIOR APPLICATION NUMBER: 60/112,850
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 60/113,296
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 60/146,222
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: PCT/US98/19330
; PRIOR FILING DATE: September 16, 1998
; PRIOR APPLICATION NUMBER: PCT/US98/25108
; PRIOR FILING DATE: December 1, 1998
; PRIOR APPLICATION NUMBER: 09/216,021
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 09/218,517
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 09/254,311
; PRIOR FILING DATE: March 3, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: June 22, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: September 15, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28409
; PRIOR FILING DATE: No. US20020168715A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: No. US20020168715A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28301
; PRIOR FILING DATE: December 1, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: December 16, 1999
; PRIOR APPLICATION NUMBER: PCT/US00/03565
; PRIOR FILING DATE: February 11, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: February 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: March 2, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: March 30, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: May 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: July 28, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: December 1, 2000
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: February 28, 2001
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 7
; LENGTH: 954
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-944-896-7

Query Match          75.0%; Score 36; DB 9; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerltsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gunney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kijavlin, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tamas, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/944,944
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866,028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067,411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/069,334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,378
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,425
; PRIOR FILING DATE: December 12, 1997
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; PRIOR FILING DATE: December 16, 1997
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; PRIOR APPLICATION NUMBER: 60/069,870
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; PRIOR FILING DATE: December 18, 1997
; PRIOR APPLICATION NUMBER: 60/070,440
; PRIOR FILING DATE: January 5, 1998
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; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/074,092
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/075,945
; PRIOR FILING DATE: February 25, 1998
; PRIOR APPLICATION NUMBER: 60/112,850
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 60/113,296
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 60/146,222
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: PCT/US98/19330
; PRIOR FILING DATE: September 16, 1998
; PRIOR APPLICATION NUMBER: PCT/US98/25108
; PRIOR FILING DATE: December 1, 1998
; PRIOR APPLICATION NUMBER: 09/216,021
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 09/218,517
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 09/254,311
; PRIOR FILING DATE: March 3, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: June 22, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: September 15, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28409
; PRIOR FILING DATE: No. US20020173463A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28313

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; US-09-944-944-7
; Sequence 7, Application US/09944944
; Patent No. US20020173463A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Eaton, Dan

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PRIOR FILING DATE: No. US20020173463A1ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28301
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06526
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 7
LENGTH: 954
TYPE: PRT
ORGANISM: Homo Sapien
US-09-944-944-7

Query Match 75.0%; Score 36; DB 9; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 902 CGAGVPHC 909

RESULT 10

US-09-944-907-7
Sequence 7, Application US/09944907
Publication No. US20020198147A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kijavlin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,907
CURRENT FILING DATE: 2001-08-31
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 7
LENGTH: 954
TYPE: PRT
ORGANISM: Homo Sapien
US-09-944-907-7

Query Match 75.0%; Score 36; DB 9; Length 954;

Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 1 CGAVVPOC 8
Db 902 CGAGVPHC 909

RESULT 11

US-09-944-929-7
Sequence 7, Application US/09944929
Publication No. US20020197612A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kijavlin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
TITLE OF INVENTION: ACIDS ENCODING THE SAME
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,929
CURRENT FILING DATE: 2001-08-31
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 7
LENGTH: 954
TYPE: PRT
ORGANISM: Homo Sapien
US-09-944-929-7

Query Match 75.0%; Score 36; DB 9; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 CGAVVPOC 8
Db 902 CGAGVPHC 909

RESULT 12

US-09-866-028-7
Sequence 7, Application US/09866028
Patent No. US20020058309A1
GENERAL INFORMATION:

APPLICANT: Baker, Kevin
APPLICANT: Botstein, David
APPLICANT: Eaton, Dan
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Gerritsen, Mary
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul
APPLICANT: Grimaldi, Christopher
APPLICANT: Gurney, Austin
APPLICANT: Hillan, Kenneth
APPLICANT: Kijavlin, Ivar
APPLICANT: Napier, Mary
APPLICANT: Roy, Margaret
APPLICANT: Tumas, Daniel
APPLICANT: Wood, William

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/866,028
; PRIOR APPLICATION DATE: 2001-05-25
; PRIOR APPLICATION data removed - consult PAM or file wrapper
; SEQ ID NO 7
; LENGTH: 954
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-866-028-7

Query Match          75.0%; Score 36; DB 10; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 CGAVVPOC 8
Db      902 CGAGVPHC 909

RESULT 13
US-09-944-449-7
; Sequence 7, Application US/09944449
; Patent No. US20020102647A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
; APPLICANT: Botstein, David
; APPLICANT: Baton, Dan
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gerltsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul
; APPLICANT: Grimaldi, Christopher
; APPLICANT: Gunney, Austin
; APPLICANT: Hillan, Kenneth
; APPLICANT: Kijavini, Ivar
; APPLICANT: Napier, Mary
; APPLICANT: Roy, Margaret
; APPLICANT: Tuma, Daniel
; APPLICANT: Wood, William
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P2548P1C1
; CURRENT APPLICATION NUMBER: US/09/944,449
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 09/866,028
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/067,411
; PRIOR FILING DATE: December 3, 1997
; PRIOR APPLICATION NUMBER: 60/063,334
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/063,335
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,278
; PRIOR FILING DATE: December 11, 1997
; PRIOR APPLICATION NUMBER: 60/069,425
; PRIOR FILING DATE: December 12, 1997
; PRIOR APPLICATION NUMBER: 60/069,696
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,694
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,702
; PRIOR FILING DATE: December 16, 1997
; PRIOR APPLICATION NUMBER: 60/069,870
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/069,873
; PRIOR FILING DATE: December 17, 1997
; PRIOR APPLICATION NUMBER: 60/068,873
; PRIOR FILING DATE: December 18, 1997
; PRIOR APPLICATION NUMBER: 60/070,440
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; PRIOR FILING DATE: January 5, 1998
; PRIOR APPLICATION NUMBER: 60/074,086
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/074,092
; PRIOR FILING DATE: February 9, 1998
; PRIOR APPLICATION NUMBER: 60/075,945
; PRIOR FILING DATE: February 25, 1998
; PRIOR APPLICATION NUMBER: 60/112,850
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 60/113,296
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 60/146,222
; PRIOR FILING DATE: July 28, 1999
; PRIOR APPLICATION NUMBER: PCT/US98/19330
; PRIOR FILING DATE: September 16, 1998
; PRIOR APPLICATION NUMBER: PCT/US98/25108
; PRIOR FILING DATE: December 1, 1998
; PRIOR APPLICATION NUMBER: 09/216,021
; PRIOR FILING DATE: December 16, 1998
; PRIOR APPLICATION NUMBER: 09/218,517
; PRIOR FILING DATE: December 22, 1998
; PRIOR APPLICATION NUMBER: 09/254,311
; PRIOR FILING DATE: March 3, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/12252
; PRIOR FILING DATE: June 22, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: September 15, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28409
; PRIOR FILING DATE: No. US20020102647A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: No. US20020102647A1ember 30, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/28301
; PRIOR FILING DATE: December 1, 1999
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: December 16, 1999
; PRIOR APPLICATION NUMBER: PCT/US00/03565
; PRIOR FILING DATE: February 11, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: February 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: March 2, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/08439
; PRIOR FILING DATE: March 30, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: May 22, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/20710
; PRIOR FILING DATE: July 28, 2000
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: December 1, 2000
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: February 28, 2001
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 7
; LENGTH: 954
; TYPE: PRT
; ORGANISM: Homo Sapien
US-09-944-449-7

Query Match          75.0%; Score 36; DB 10; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy      1 CGAVVPOC 8
Db      902 CGAGVPHC 909

RESULT 14
US-09-944-457-7
; Sequence 7, Application US/09944457
; Patent No. US20020110859A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin
```

```

APPLICANT: Botstein,David
APPLICANT: Baton,Dan
APPLICANT: Ferrara,Napoleone
APPLICANT: Filvaroff,Ellen
APPLICANT: Gerritsen,Mary
APPLICANT: Goddard,Audrey
APPLICANT: Godowski,Paul
APPLICANT: Grimaldi,Christopher
APPLICANT: Gurney,Austin
APPLICANT: Hillan,Kenneth
APPLICANT: Kijavini,Ivar
APPLICANT: Napier,Mary
APPLICANT: Roy,Margaret
APPLICANT: Tumas,Daniel
APPLICANT: Wood,William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,457
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,278
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,425
PRIOR FILING DATE: December 12, 1997
PRIOR APPLICATION NUMBER: 60/069,696
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,694
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,702
PRIOR FILING DATE: December 16, 1997
PRIOR APPLICATION NUMBER: 60/069,870
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/069,873
PRIOR FILING DATE: December 17, 1997
PRIOR APPLICATION NUMBER: 60/068,017
PRIOR FILING DATE: December 18, 1997
PRIOR APPLICATION NUMBER: 60/070,440
PRIOR FILING DATE: January 5, 1998
PRIOR APPLICATION NUMBER: 60/074,086
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/074,092
PRIOR FILING DATE: February 9, 1998
PRIOR APPLICATION NUMBER: 60/075,945
PRIOR FILING DATE: February 25, 1998
PRIOR APPLICATION NUMBER: 60/112,850
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 60/113,296
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 60/146,222
PRIOR FILING DATE: July 28, 1999
PRIOR APPLICATION NUMBER: PCT/US98/19330
PRIOR FILING DATE: September 16, 1998
PRIOR APPLICATION NUMBER: PCT/US98/25108
PRIOR FILING DATE: December 1, 1998
PRIOR APPLICATION NUMBER: 09/216,021
PRIOR FILING DATE: December 16, 1998
PRIOR APPLICATION NUMBER: 09/218,517
PRIOR FILING DATE: December 22, 1998
PRIOR APPLICATION NUMBER: 09/254,311
PRIOR FILING DATE: March 3, 1999
PRIOR APPLICATION NUMBER: PCT/US99/12252
PRIOR FILING DATE: June 22, 1999
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: September 15, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28409
PRIOR FILING DATE: No. US20020110859A1ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: No. US20020110859A1ember 30, 1999
PRIOR APPLICATION NUMBER: PCT/US99/28301
PRIOR FILING DATE: December 1, 1999
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: December 16, 1999
PRIOR APPLICATION NUMBER: PCT/US00/03565
PRIOR FILING DATE: February 11, 2000
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: February 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/05841
PRIOR FILING DATE: March 2, 2000
PRIOR APPLICATION NUMBER: PCT/US00/08439
PRIOR FILING DATE: March 30, 2000
PRIOR APPLICATION NUMBER: PCT/US00/14042
PRIOR FILING DATE: May 22, 2000
PRIOR APPLICATION NUMBER: PCT/US00/20710
PRIOR FILING DATE: July 28, 2000
PRIOR APPLICATION NUMBER: PCT/US00/32678
PRIOR FILING DATE: December 1, 2000
PRIOR APPLICATION NUMBER: PCT/US01/06520
PRIOR FILING DATE: February 28, 2001
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 7
LENGTH: 954
TYPE: PRT
ORGANISM: Homo Sapian
US*09-944-457-7
Query Match 75.0%; Score 36; DB 10; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Oy 1 CGAVVPOC 8
Db 902 CGAGVPHC 909
RESULT 15
US-09-944-862-7
Sequence 7, Application US/09944862
Patent No. US20020115145A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin
APPLICANT: Botstein,David
APPLICANT: Baton,Dan
APPLICANT: Ferrara,Napoleone
APPLICANT: Filvaroff,Ellen
APPLICANT: Gerritsen,Mary
APPLICANT: Goddard,Audrey
APPLICANT: Godowski,Paul
APPLICANT: Grimaldi,Christopher
APPLICANT: Gurney,Austin
APPLICANT: Hillan,Kenneth
APPLICANT: Kijavini,Ivar
APPLICANT: Napier,Mary
APPLICANT: Roy,Margaret
APPLICANT: Tumas,Daniel
APPLICANT: Wood,William
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P2548P1C1
CURRENT APPLICATION NUMBER: US/09/944,862
CURRENT FILING DATE: 2001-09-26
PRIOR APPLICATION NUMBER: 09/866,028
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/067,411
PRIOR FILING DATE: December 3, 1997
PRIOR APPLICATION NUMBER: 60/069,334
PRIOR FILING DATE: December 11, 1997
PRIOR APPLICATION NUMBER: 60/069,335
PRIOR FILING DATE: December 11, 1997
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PRIOR APPLICATION NUMBER: 60/069,278
 PRIOR FILING DATE: December 11, 1997
 PRIOR APPLICATION NUMBER: 60/069,425
 PRIOR FILING DATE: December 12, 1997
 PRIOR APPLICATION NUMBER: 60/069,696
 PRIOR FILING DATE: December 16, 1997
 PRIOR APPLICATION NUMBER: 60/069,694
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 PRIOR FILING DATE: December 16, 1997
 PRIOR APPLICATION NUMBER: 60/069,870
 PRIOR FILING DATE: December 17, 1997
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 PRIOR FILING DATE: December 17, 1997
 PRIOR APPLICATION NUMBER: 60/068,017
 PRIOR FILING DATE: December 18, 1997
 PRIOR APPLICATION NUMBER: 60/070,440
 PRIOR FILING DATE: January 5, 1998
 PRIOR APPLICATION NUMBER: 60/074,086
 PRIOR FILING DATE: February 9, 1998
 PRIOR APPLICATION NUMBER: 60/074,092
 PRIOR FILING DATE: February 9, 1998
 PRIOR APPLICATION NUMBER: 60/075,945
 PRIOR FILING DATE: February 25, 1998
 PRIOR APPLICATION NUMBER: 60/112,850
 PRIOR FILING DATE: December 16, 1998
 PRIOR APPLICATION NUMBER: 60/113,296
 PRIOR FILING DATE: December 22, 1998
 PRIOR APPLICATION NUMBER: 60/146,222
 PRIOR FILING DATE: July 28, 1999
 PRIOR APPLICATION NUMBER: PCT/US98/19330
 PRIOR FILING DATE: September 16, 1998
 PRIOR APPLICATION NUMBER: PCT/US98/25108
 PRIOR FILING DATE: December 1, 1998
 PRIOR APPLICATION NUMBER: 09/216,021
 PRIOR FILING DATE: December 16, 1998
 PRIOR APPLICATION NUMBER: 09/218,517
 PRIOR FILING DATE: December 22, 1998
 PRIOR APPLICATION NUMBER: 09/254,311
 PRIOR FILING DATE: March 3, 1999
 PRIOR APPLICATION NUMBER: PCT/US99/12252
 PRIOR FILING DATE: June 22, 1999
 PRIOR APPLICATION NUMBER: PCT/US99/21090
 PRIOR FILING DATE: September 15, 1999
 PRIOR APPLICATION NUMBER: PCT/US99/28409
 PRIOR FILING DATE: No. US20020115145A1eember 30, 1999
 PRIOR APPLICATION NUMBER: PCT/US99/28313
 PRIOR FILING DATE: No. US20020115145A1eember 30, 1999
 PRIOR APPLICATION NUMBER: PCT/US99/28301
 PRIOR FILING DATE: December 1, 1999
 PRIOR APPLICATION NUMBER: PCT/US99/30095
 PRIOR FILING DATE: December 16, 1999
 PRIOR APPLICATION NUMBER: PCT/US00/03565
 PRIOR FILING DATE: February 11, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/04414
 PRIOR FILING DATE: February 22, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/05841
 PRIOR FILING DATE: March 2, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/08439
 PRIOR FILING DATE: March 30, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/14042
 PRIOR FILING DATE: May 22, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/20710
 PRIOR FILING DATE: July 28, 2000
 PRIOR APPLICATION NUMBER: PCT/US00/32678
 PRIOR FILING DATE: December 1, 2000
 PRIOR APPLICATION NUMBER: PCT/US01/06520
 PRIOR FILING DATE: February 28, 2001
 NUMBER OF SEQ ID NOS: 120
 SEQ ID NO 7
 LENGTH: 954
 TYPE: PRT
 ORGANISM: Homo Sapien

US-09-944-862-7
 Query Match
 Best Local Similarity 75.0%; Score 36; DB 10; Length 954;
 Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 QY 1 CGAVVPOC 8
 DB 902 CGAVVPHC 909
 Search completed: April 16, 2003, 09:51:43
 Job time : 17 secs

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OM protein - protein search, using sw model

Run on: April 16, 2003, 09:32:02 ; Search time 13.913 Seconds
(without alignments)
16.918 Million cell updates/sec

Title: US-09-580-156D-51

Perfect score: 48

Sequence: 1 CGAVPQC 8

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

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- 2: /cgn2_6/ptodaca/1/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodaca/1/1aa/6A.COMB.pep:*
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- 6: /cgn2_6/ptodaca/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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3	36	75.0	855	2	US-08-938-365-1
4	36	75.0	867	2	US-08-938-365-2
5	36	75.0	954	2	US-08-749-169A-3
6	36	75.0	954	2	US-09-130-032A-3
7	34	70.8	330	1	US-08-238-163-2
8	33	68.8	206	3	US-08-820-970-9
9	32	66.7	90	1	US-08-464-339A-11
10	32	66.7	327	1	US-08-238-163-4
11	32	66.7	375	1	US-08-468-847B-13
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16	31	64.6	342	1	US-08-244-646-15
17	31	64.6	342	1	US-08-592-936B-21
18	31	64.6	342	2	US-09-111-573-21
19	31	64.6	415	2	US-08-896-345-4
20	31	64.6	415	4	US-09-226-091-4
21	31	64.6	415	4	US-09-325-881-4
22	31	64.6	427	2	US-08-896-345-2
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24	31	64.6	427	4	US-09-325-881-2
25	30	62.5	29	5	PCT-US92-01196-10
26	30	62.5	31	1	US-08-149-839B-12
27	30	62.5	31	1	US-08-451-568-12

28	30	62.5	31	1	US-08-451-566-12	Sequence 12, Appl
29	30	62.5	31	2	US-08-777-113-12	Sequence 12, Appl
30	30	62.5	45	4	US-08-469-260A-199	Sequence 120, App
31	30	62.5	64	1	US-08-358-160-120	Sequence 3, Appl1
32	30	62.5	83	4	US-07-791-931-3	Sequence 54, Appl1
33	30	62.5	176	4	US-08-469-260A-54	Patent No. 5212074
34	30	62.5	213	6	5212074-6	Sequence 17, Appl
35	30	62.5	227	1	US-08-244-646-17	Sequence 28, Appl
36	30	62.5	315	1	US-08-118-270-28	Sequence 28, Appl
37	30	62.5	315	5	PCT-US93-08528-28	Sequence 28, Appl
38	30	62.5	322	6	5212074-1	Patent No. 5212074
39	30	62.5	330	1	US-08-118-270-19	Sequence 19, Appl
40	30	62.5	330	5	PCT-US93-08528-19	Sequence 90, Appl
41	30	62.5	344	2	US-08-846-762-90	Sequence 4, Appl1
42	30	62.5	461	1	US-08-194-338-4	Sequence 25, Appl
43	30	62.5	527	3	US-08-369-822C-25	Sequence 40, Appl
44	30	62.5	527	3	US-08-582-776C-40	Sequence 37, Appl
45	30	62.5	527	3	US-08-434-831B-37	

ALIGNMENTS

RESULT 1
US-08-829-110-6
Sequence 6, Application US/08829110
Patent No. 5882890
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
TITLE OF INVENTION: NOVEL REGULATORS OF G-PROTEIN
TITLE OF INVENTION: SIGNALING
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/829,110
FILING DATE: Filed Herewith
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0259 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-4166
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 205 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1216373
US-08-829-110-6
Query Match 75.0%; Score 36; DB 2; Length 205;
Best Local Similarity 62.5%; Pred. No. 28;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 197 CASLVPOC 204

RESULT 2

US-08-748-483-5
Sequence 5, Application US/08748483
Patent No. 5955314
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: A NOVEL REGULATOR OF CELL SIGNALLING
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/748,483
FILING DATE: Herewith
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0157 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 205 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 1216373
US-08-748-483-5

Query Match 75.0%; Score 36; DB 2; Length 205;
Best Local Similarity 62.5%; Pred. No. 28;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 197 CASLVPOC 204

RESULT 3

US-08-938-365-3
Sequence 3, Application US/08938365
Patent No. 5989909
GENERAL INFORMATION:
APPLICANT: Yang, Pan
TITLE OF INVENTION: HUCHORDIN AND USES THEREOF
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street

CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,365
FILING DATE: 26-SEP-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Melkielejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 09404/040001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 855 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-938-365-3

Query Match 75.0%; Score 36; DB 2; Length 855;
Best Local Similarity 75.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 809 CGAGVPHC 816

RESULT 4

US-08-938-365-2
Sequence 2, Application US/08938365
Patent No. 5989909
GENERAL INFORMATION:
APPLICANT: Yang, Pan
TITLE OF INVENTION: HUCHORDIN AND USES THEREOF
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/938,365
FILING DATE: 26-SEP-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Melkielejohn, Ph.D., Anita L.
REGISTRATION NUMBER: 35,283
REFERENCE/DOCKET NUMBER: 09404/040001
TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 867 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-938-365-2

Query Match 75.0%; Score 36; DB 2; Length 867;
Best Local Similarity 75.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 814 CGAGVPHC 821

RESULT 5

US-08-749-169A-3
Sequence 3, Application US/08749169A
Patent No. 5846770
GENERAL INFORMATION:
APPLICANT: RACIE, Lisa
APPLICANT: LAVALLIE, Edward
APPLICANT: DEROBERTIS, Edward
TITLE OF INVENTION: CHORDIN COMPOSITIONS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/749,169A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: LAZAR, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5284
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8260
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 954 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-749-169A-3

Query Match 75.0%; Score 36; DB 2; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 902 CGAGVPHC 909

RESULT 6

US-09-130-032A-3

Sequence 3, Application US/09130032A
Patent No. 5986056
GENERAL INFORMATION:
APPLICANT: LAVALLIE, Edward
APPLICANT: RACIE, Lisa
APPLICANT: DEROBERTIS, Edward
TITLE OF INVENTION: HUMAN CHORDIN COMPOSITIONS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/130,032A
FILING DATE: August 4, 1998
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: LAZAR, Steven R.
REGISTRATION NUMBER: 32,618
REFERENCE/DOCKET NUMBER: GI 5284-DIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8260
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 954 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-130-032A-3

Query Match 75.0%; Score 36; DB 2; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 902 CGAGVPHC 909

RESULT 7

US-08-238-163-2
Sequence 2, Application US/08238163
Patent No. 5569830
GENERAL INFORMATION:
APPLICANT: BENNETT, Alan
APPLICANT: LABAVITCH, John M.
APPLICANT: POWELL, Ann
TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew
STREET: Steuart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

Query Match 75.0%; Score 36; DB 2; Length 954;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 902 CGAGVPHC 909

RESULT 7

US-08-238-163-2

APPLICATION NUMBER: US/08/238,163
FILING DATE: 03-MAY-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 2307E-540
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 330 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-238-163-2

Query Match 70.8%; Score 34; DB 1; Length 330;
Best Local Similarity 62.5%; Pred. No. 96;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 322 CGAPLPSC 329

RESULT 8
US-08-820-970-9
Sequence 9, Application US/08820970
Patent No. 6008022
GENERAL INFORMATION:
APPLICANT: LI, YI
APPLICANT: SU, KUI
APPLICANT: LI, HAODONG
TITLE OF INVENTION: HUMAN CYTOKINE POLYPEPTIDE
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: HUMAN GENOME SCIENCES, INC.
STREET: 9410 KEY WEST AVENUE
CITY: ROCKVILLE
STATE: MARYLAND
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/820,970
FILING DATE: 20-MAR-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, Anders, A.
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PR270
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8512
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 206 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-820-970-9

Query Match 68.8%; Score 33; DB 3; Length 206;
Best Local Similarity 62.5%; Pred. No. 93;
Matches 5; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 31 CGSVSKC 38

RESULT 9
US-08-464-339A-11
Sequence 11, Application US/08464339A
Patent No. 5747280
GENERAL INFORMATION:
APPLICANT: HASTINGS, ET AL.
TITLE OF INVENTION: Human Vascular IBP-Like Growth
Factor
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GIUFFILIAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,339A
FILING DATE: June 5, 1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/14388
FILING DATE: 9 DEC 1994
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-332
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-464-339A-11

Query Match 66.7%; Score 32; DB 1; Length 90;
Best Local Similarity 62.5%; Pred. No. 66;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

OY 1 CGAVVPOC 8
Db 32 CPRAAPC 39

RESULT 10
US-08-238-163-4
Sequence 4, Application US/08238163
Patent No. 5569830
GENERAL INFORMATION:
APPLICANT: BENNETT, Alan
APPLICANT: LABAVITCH, John M.
APPLICANT: POWELL, Ann
APPLICANT: STOTZ, Henrik
TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend Kourie and Crew

STREET: Stewart Street Tower, One Market Plaza
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94105-1493
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/238,163
FILING DATE: 03-MAY-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Baselian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 2307E-540
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-238-163-4

Query Match 66.7%; Score 32; DB 1; Length 327;
Best Local Similarity 50.0%; Pred. No. 2.1e+02;
Matches 4; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 319 CGSPKPC 326

RESULT 11
US-08-468-847B-13
Sequence 13, Application US/08468847B
Patent No. 5780263
GENERAL INFORMATION:
APPLICANT: Hastings, Gregg A. and Adams, Mark D.
TITLE OF INVENTION: Human CCN-Like Growth Factor
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLIAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/468,847B
FILING DATE: 6 June 1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-442
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 375 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-468-847B-13

Query Match 66.7%; Score 32; DB 1; Length 375;
Best Local Similarity 62.5%; Pred. No. 2.4e+02;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 32 CPAAAPC 39

RESULT 12
US-09-084-079-5
Sequence 5, Application US/09084079
Patent No. 6150136
GENERAL INFORMATION:
APPLICANT: Bronstein, Jeff M.
APPLICANT: Seltz, Robert S.
APPLICANT: Lallone, Roger L.
TITLE OF INVENTION: Oligonucleotide-specific Protein and Method for
Diagnosing and Treating Disease
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheldon & Mak
STREET: 225 S. Lake Avenue, 9th Floor
CITY: Pasadena
STATE: California
ZIP: 91101

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: IBM compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect for Windows version 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/084,079
FILING DATE: 22-MAY-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Farah, David A.
REGISTRATION NUMBER: 38,134
REFERENCE/DOCKET NUMBER: 11201-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (626)796-4000
TELEFAX: (626)795-6321
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acid residues
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-084-079-5

Query Match 64.6%; Score 31; DB 4; Length 218;
Best Local Similarity 50.0%; Pred. No. 2.1e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGAVVPOC 8
Db 34 CGYTIPTC 41

RESULT 13
5212074-7
Patent No. 5212074
APPLICANT: KIEFER, MICHAEL C.; MASIAKZ, FRANK R.
TITLE OF INVENTION: GENETIC MATERIAL ENCODING NEW

```

; INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN IGFBP-6
;
; NUMBER OF SEQUENCES: 7
;
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/07/576,629
;   FILING DATE: 31-AUG-1990
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 574,613
;     FILING DATE: 28-AUG-1990
;   SEQ ID NO.: 7
;   LENGTH: 237
5212074-7

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Query Match          64.6%; Score 31; DB 6; Length 237;
Best Local Similarity 50.0%; Pred. No. 2.3e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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QY 1 CGAVVPOC 8
Db 46 CGVYTPRC 53

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RESULT 14
US-09-253-316-28
; Sequence 28, Application US/09253316
; Patent No. 6395890
; GENERAL INFORMATION:
;   APPLICANT: Sheppard, Paul O.
;   TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR HOMOLOGS
;   FILE REFERENCE: 97-75
;   CURRENT APPLICATION NUMBER: US/09/253,316
;   CURRENT FILING DATE: 1999-02-19
;   EARLIER APPLICATION NUMBER: US 60/075,300
;   NUMBER OF SEQ ID NOS: 34
;   SOFTWARE: FastSeq for Windows Version 3.0
;   SEQ ID NO 28
;   LENGTH: 328
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-253-316-28

```

```

Query Match          64.6%; Score 31; DB 4; Length 328;
Best Local Similarity 50.0%; Pred. No. 3.1e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

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```

QY 1 CGAVVPOC 8
Db 101 CGVYTPRC 108

```

```

RESULT 15
5212074-4
; Patent No. 5212074
; APPLICANT: KIEFER, MICHAEL C.; MASIAZ, FRANK R.
; TITLE OF INVENTION: GENETIC MATERIAL ENCODING NEW
; INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN IGFBP-6
; NUMBER OF SEQUENCES: 7
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/07/576,629
;   FILING DATE: 31-AUG-1990
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 574,613
;     FILING DATE: 28-AUG-1990
;   SEQ ID NO.: 4
;   LENGTH: 328
5212074-4

```

```

Query Match          64.6%; Score 31; DB 6; Length 328;
Best Local Similarity 50.0%; Pred. No. 3.1e+02;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

```

```

QY 1 CGAVVPOC 8

```

```

Db 101 CGVYTPRC 108

```

```

Search completed: April 16, 2003, 09:40:03
Job time : 14.913 secs

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